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GEOCHEMICAL DATA FROM ANALYSES OF SEDIMENTS AND
PORE WATERS OBTAINED FROM CORES COLLECTED ON
ALBATROSS SLOPE, ST. PIERRE SLOPE, FLEMISH CAP
AND NEAR THE TITANIC WRECK;
HUDSON CRUISE 91-020

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ABSTRACT

Geochemical data were compiled for sediment and pore water analyses for cores collected from the seabed of Albatross Slope, St. Pierre Slope, Narwhal Slope, Flemish Cap and near the Titanic Wreck. Piston, gravity and box cores were collected during a multidisciplinary earth sciences cruise on CSS Hudson (Cruise 91-020) to the continental margin off southeastern Canada during the time period June 11 to July 4, 1991).

Sediment analyses included organic carbon, CaCO_3 and total metals (Si, Al, Mg, K, Fe, Mn, Ca, Cu, Zn, Ni, Cr, Pb and Li). Chemical leach techniques were used to determine the potential labile metal partitioning (Fe, Mn, Ca, Cu, Zn, Ni, Cr and Pb) in these sediments and included sequential leach analyses for: (1) weak acid leachable metal, (2) easily reducible metals, (3) moderately reducible metals, and (4) residual metals. In addition, separate analyses for organically bound metals were performed using H_2O_2 as an oxidant. Metals analyzed after this treatment included Fe, Mn, Ca, Cu, Zn, Ni, Cr and Pb.

Pore water analyses included silica, ammonium, sulphate, pH and free electrons (pE).

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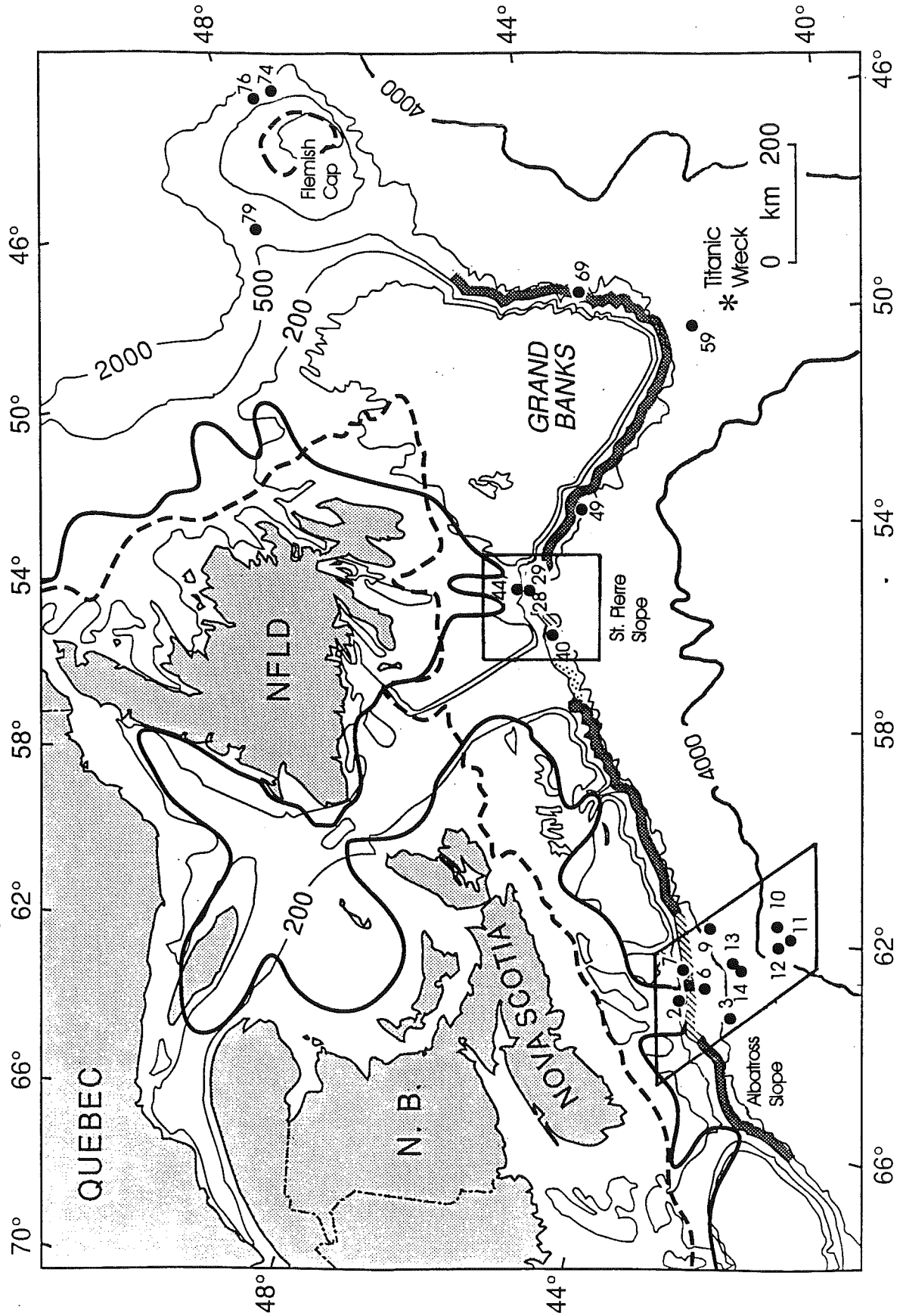
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CORE LOCATION MAP



INTRODUCTION

Piston, gravity and box cores were collected during a multidisciplinary earth sciences cruise on CSS Hudson (Cruise 91-020) to the continental margin off southeastern Canada (Piper and Mudie 1991; Cranston, 1991). Areas sampled for geochemical analyses included Albatross Slope, St. Pierre Slope, Narwhal Slope, Flemish Cap and near the Titanic Wreck.

The major geochemical objectives for this cruise were:

- (1) to evaluate whether excess methane hydrate exists in the upper metre of the sediment column in 300 to 500 m of water, where the bottom temperature is 4 to 5 °C.
- (2) to provide shipboard chemical data to estimate gravity and piston coretop losses.
- (3) to determine diagenetic processes in Holocene/Pleistocene sediments along the slope off the Scotian Shelf and the Grand Banks.

In estimating the mechanism for global carbon cycling in ocean sediments and its relationship to the greenhouse effect, it is important to understand the balance between organic carbon flux to the sea floor and the flux of oxidants into the sea floor. Since methane is often found in marine sediments, and it is a very effective green house gas, it is important to understand the distribution of carbon, oxidants and methane in various environments, and to evaluate the present day diagenetic reactions that are producing and consuming the methane.

METHODS**Sampling**

Sediment sampling was conducted from the CSS Hudson (Cruise 91-020) from June 11 - July 4, 1991. The AGC large diameter piston coring system with a capacity of obtaining up to 15 m long and 10 cm in diameter cores from pelagic sediments was used routinely for piston coring. Piston cores were split and subsampled at selected intervals. The piston corer was triggered by a pilot core 1.5 m in length. The pilot cores were also subsampled and analyzed, and are referred to in the plots as "trigger" cores. Gravity coring was conducted using the same corer as was used for the pilot/trigger corer in the piston coring system. Box coring used the standard AGC box corer. Push cores 10 cm in diameter were sub-cores taken from these box cores for geochemical testing. In the data tables core numbers are prefixed by the letters "G", "B", "P", or "T" to indicate that the core type is a "gravity", "box", "piston", or "trigger" core, respectively.

Sediment pH and pE analyses were conducted on the freshly exposed surfaces immediately following the core splitting procedure on board the ship. Sediment pH was determined using a combination pH electrode that was standardized with a Palitsch buffer at pH 8.2 (Whitfield, 1969). A precision of ± 0.05 pH units was achieved routinely within a 2 minute time period. A combination platinum electrode, standardized in Zobell solution, was used to determine the redox potential as pE (Whitfield, 1969). Voltage was recorded for 90 s to account for electrode drift. Redox potential was calculated from the potential difference relative to the standard hydrogen electrode. Precision was estimated to be ± 0.2 pE units.

Subsamples from the cores were taken immediately after redox measurements were completed. Approximately 50 cm³ of mud was obtained by inserting a modified plastic syringe piston-sampler into the sediment. This subsampling was performed aboard ship in an open atmosphere. It was assumed that oxygen effects were

minimal for short exposure times of a few minutes. Sediment subsamples were placed in 50 mL plastic centrifuge tubes. They were immediately sealed and centrifuged while being refrigerated at 4 to 10 °C.

Pore water was extracted from the sediment subsamples by centrifugation at 3000 rpm for 30 minutes. After centrifugation, pore water was decanted from the centrifuge tubes and filtered through 0.4 µm Nuclepore filters. Pore water subsamples were immediately analyzed for silica, ammonium and sulphate. The sediment remaining in the centrifuge tube was sealed and placed in refrigerated storage for later analyses for total and extractable metals, grain size, total carbon and organic carbon.

Pore Water Analyses

Dissolved silica (SiO_2) in pore water was determined by colorimetric analysis of the reduced silicomolybdate complex. This method was adapted from Strickland and Parsons (1968), as described by Mann and Gieskes (1975). A Varian model 634 light spectrometer was used to measure absorbance of this complex at a wavelength of 812nm.

Dissolved ammonia (NH_4^+) in pore water was determined by colorimetric absorbance of the oxidized nitrogen complex in a ferrocyanide solution, as described by Solorzano (1969). Absorbance was measured at 640 nm.

The pore water was analyzed for sulphate using a turbidity meter method. A 50 µL portion of pore water was placed in a 5 mL cuvette. A 50 µL portion of 300 mM barium chloride was immediately added to precipitate barium sulfate, then 4 mL of de-ionized water was added. The turbidity of the solution was measured using a Milton Roy Spectronic Mini20 fitted with a turbidity meter. A standard calibration curve was obtained using dilutions of international standard sea water. Analytical precision and accuracy was found to be ± 2 mM.

Sediment Analyses

The sediment was freeze-dried and lightly disaggregated with an agate mortar and pestle and used for analyses of total carbon, organic carbon, leachable and total metals.

Total carbon (C_T in % of dry weight) was determined from washed and dried samples using a Leco carbon analyzer.

Organic carbon (C_{org} in % of dry weight) was determined in a similar manner to total carbon except, that the inorganic carbon was removed by 1 N HCl treatment prior to determining the carbon content. The precision was ± 0.2 % for both the C_T and C_{org} .

$CaCO_3$ was computed from the difference between C_T and C_{org} .

The sequential leach analyses (Fitzgerald et al, 1987) include:

(1) Weak acid leachable metal (Fe_{WA} , Mn_{WA} , Ca_{WA} , Cu_{WA} , Zn_{WA} , Ni_{WA} , Cr_{WA} and Pb_{WA}) in 25 % acetic acid, pH 2 for 16 h, as described in Chester and Hughes (1967).

(2) Hydroxylamine leachable metal (Fe_{HA} , Mn_{HA} , Ca_{HA} , Cu_{HA} , Zn_{HA} , Ni_{HA} , Cr_{HA} and Pb_{HA}) in 1 M $NH_2OH-HCl$ for 16 h, as described in Chester and Hughes (1967).

(3) Heated hydroxylamine leachable metal (Fe_{HHA} , Mn_{HHA} , Ca_{HHA} , Cu_{HHA} , Zn_{HHA} , Ni_{HHA} , Cr_{HHA} and Pb_{HHA}) in 0.04 M $NH_2OH-HCl$, pH 2, at 80 °C for 16 h, as described in Tessier et al (1979).

(4) Leach residue metals with concentrations computed relative to the original mass (Si_R , Al_R , Mg_R , K_R , Fe_R , Mn_R , Ca_R , Cu_R , Zn_R , Ni_R , Cr_R and Pb_R) were determined using the Buckley and Cranston (1971) $HF-H_3BO_3$ total decomposition method.

The leach residue dry weight is reported as "Residue" in mg remaining of the initial 1000 mg of sample. The "weight loss" due to the sequential leaching can be computed as:

$$\text{Weight Loss(\%)} = 100 (1 - \text{Residue} / 1000).$$

The sequential sum (Fe_{SUM} , Mn_{SUM} , Ca_{SUM} , Cu_{SUM} , Zn_{SUM} , Ni_{SUM} , Cr_{SUM} and Pb_{SUM}) was computed as the summation of the sequential leach analyses components (ie, $Fe_{SUM} = Fe_{WA} + Fe_{HA} + Fe_{HHA} + Fe_R$).

Metal concentrations which are leached by hydrogen peroxide

are considered to be organically bound (MacIntosh et al, 1976). Disaggregated dry sediment (1 g) was leached with 10 % hydrogen peroxide (20 mL) and 25% acetic acid (pH 2) for 24 h. Finally the leachate was decanted into clean test tubes. The acetic acid was necessary to retard the hydrolysis of the metals as they were released from the organic matter. This leach fraction also contained the weak acid leachable metal fraction. The concentrations of metals, which were specifically released from the organic matter by the hydrogen peroxide, were determined as the difference between the results for this hydrogen peroxide leach at pH 2 and the weak acid leach at pH 2. This difference is reported as Fe_{org} , Mn_{org} , Ca_{org} , Cu_{org} , Zn_{org} , Ni_{org} , Cr_{org} and Pb_{org} .

Total metal concentration (Si_T , Al_T , Mg_T , K_T , Fe_T , Mn_T , Ca_T , Cu_T , Zn_T , Ni_T , Cr_T , Pb_T and Li_T) was determined using the Buckley and Cranston (1971) HF-H₃BO₃ total decomposition method.

Sample analyses were not replicated and confidence intervals cannot be presented for each result. To determine a confidence intervals for analyses within a single core, data from adjacent subsamples must be pooled. The means and standard deviations of these pooled groups must be determined. The average of these group standard deviations represents the natural variation and will be required to approximate the population standard deviation for the sampling and analytical process.

Duncan (1974) and Dudewicz (1988) provided thorough discussions of "confidence interval" and "process capability". The "confidence interval" is a range of values which includes (with a preassigned probability called "confidence level") the true value of a population parameter. "Confidence limits" are the upper and lower boundaries of the confidence interval. Confidence level is the probability that an assertion about the value of a population parameter is correct. The mean of a normal population is $\bar{x} \pm t_{1-\alpha/2} s / \sqrt{n}$, where standard deviation is estimated as s , t is the Student's distribution coefficient, $\alpha/2$ is a 2 sided (2-tailed) confidence level, and n is the replicate sample size. At the 0.95

confidence level and a sample replication of 4 (degrees of freedom, $df = n - 1 = 3$) the confidence interval is $\bar{X} \pm 3.182S/\sqrt{4}$ or $\bar{X} \pm 1.6S$. There is a 95% confidence that the true mean is between $\bar{X} - 1.6S$ and $\bar{X} + 1.6S$. If only duplicate analyses are conducted, the confidence interval is $\bar{X} \pm 12.706S/\sqrt{2}$ or $\bar{X} \pm 9S$.

A **test of hypothesis** can be constructed for the comparison of the means. The null hypothesis (H_0) and alternate hypothesis (H_1) are

$$H_0: \bar{X}_1 = \bar{X}_2, \text{ and } H_1: \bar{X}_1 \neq \bar{X}_2.$$

For comparing 2 independent sample means with equal variance and the population standard deviation estimated by the sample standard deviation, S , we can use the following t-test for pooled variances (Dudewicz, 1988).

$$t_{1-\frac{\alpha}{2}} = \frac{\bar{X}_1 - \bar{X}_2}{\sqrt{\frac{1}{n_1} + \frac{1}{n_2}} \sqrt{\frac{[(n_1-1)S_1^2 + (n_2-1)S_2^2]}{n_1+n_2-2}}}$$

If $S = S_1 = S_2$ and $n = n_1 = n_2$ then,

$$t_{1-\frac{\alpha}{2}} = \frac{\bar{X}_1 - \bar{X}_2}{\sqrt{\frac{2}{n}} S}$$

If t is greater than the critical value from the t-distribution table then the null hypothesis is rejected. This equation can be rearranged to determine the critical interval (Δ_{crit}) for the difference between 2 sample means. If the difference between 2 sample means is greater than Δ_{crit} , we reject the null hypothesis and accept the alternate hypothesis:

$$\Delta_{crit} = t_{1-\frac{\alpha}{2}} \sqrt{\frac{2}{n}} S$$

where $\alpha = 0.05$, we are 95% confident that the 2 means are not the same.

In an earlier report (Fitzgerald, *et al* 1991) we presented an indication of the possible levels accuracy and precision of this total elemental analysis method as demonstrated by replicate analyses of standard reference materials. Results for the standard reference materials BCSS1 and MESS1 (NRC Canada) and MAG1 (USGS) are compared in Table 1. With the exception of the analyses for Ni, and one standard result for Cu, all of the replicate analyses for the 12 elements have a coefficient of variation (CV = standard deviation / mean x 100) of less than 10 %. The reason for the high CV for Ni has not been determined, so analytical results for this metal should be used with caution. The CV of 11.1 % for Cu in the BCSS1 standard is almost certainly due to the low level of Cu in this standard, therefore analytical results below 20 ppm should be used with caution.

Estimates of the relative accuracy error were obtained by comparing our analytically determined mean value with the preferred value published for the standard. Only those results which show relative accuracy error greater than 10 % require some comment. Our analytical method appears to produce Al results that are 10.7 to 14.2 % lower than the results published for the three standards. Our results for Mg content in the MESS1 standard are 16 % lower than the published value. This appears to be caused by the moderately low Mg content and possibly to an unusual matrix effect in this standard. Our results for K in BCSS1 and MESS1 are 15 and 16.1 % low respectively. The reason for these results is not readily apparent, although it is suspected to be a matrix effect. It should be noted that all of these relative accuracy errors in the analyses of the major elements produces an analytical result which has an absolute error of less than 1 %.

TABLE 1.

Results for replicate analyses of standard samples.

Standard Sample	Si _T %	Al _T %	Ca _T %	Mg _T %	K _T %	Fe _T %	Mn _T μgg ⁻¹	Cu _T μgg ⁻¹	Zn _T μgg ⁻¹	Ni _T μgg ⁻¹
BCSS1										
N	9	9	6	8	8	9	8	8	8	8
Mean	29.6	5.59	0.54	1.36	1.53	3.18	246	18	103	39
StdDev	0.4	0.29	0.01	0.02	0.09	0.08	15	2	3	9
% CV	1.4	5.2	1.9	1.5	5.9	2.5	6.1	11.1	2.9	23.1
Present ¹	30.9	6.26	0.54	1.47	1.80	3.29	230	18.5	120	55
% Error	-4.2	-10.7	0	-7.5	-15.0	-3.3	7.0	-2.7	-14.2	-29
MESS1										
N	9	9	6	8	8	9	8	8	8	8
Mean	29.6	5.01	0.44	0.73	1.55	2.86	533	24	172	19
StdDev	0.5	0.31	0.02	0.03	0.10	0.06	20	2	6	10
% CV	1.7	6.2	4.5	4.1	6.4	2.1	3.8	8.3	3.5	52.6
Present ¹	31.6	5.84	0.48	0.87	1.86	3.05	510	25	190	30
% Error	-6.3	-14.2	-8.3	-16.1	-16.7	-6.2	4.5	-4.0	-9.5	-37
MAG1										
N	9	9	6	8	8	9	8	8	8	8
Mean	23.2	7.73	0.91	1.73	2.92	4.71	795	27	130	40
StdDev	0.4	0.53	0.02	0.14	0.12	0.10	19	2	2	11
% CV	1.7	6.9	2.2	8.1	4.1	2.1	2.4	7.4	1.5	27.8
Present ²	23.9	8.7	0.99	1.89	3.09	4.88	770	27	135	54
% Error	-2.9	-11.1	-8.1	-8.5	-5.5	-3.5	3.2	0	-3.7	-26

¹ Values from Berman (1981).² Values from Manheim et al. (1976).

The relative accuracy error of -14.2 % for analyses of Zn in the BCSS1 standard is of an unknown source. The large negative errors for results of Ni analyses (-29 %) in all standards reinforces the caution in the use of these results. No evaluation of the accuracy or precision of Pb analyses could be obtained because the published concentrations of Pb in the standards were all below the analytical detection limit (20 ppm) of our method.

TABLE 2.

Error for instrumental analyses.

Metal	Detection Limit	Concentration Range	Precision	Relative Error
	$\mu\text{g mL}^{-1}$	$\mu\text{g mL}^{-1}$	$\mu\text{g mL}^{-1}$	%
Fe	10	10 - 1400	± 5	
		4000 - 17000	± 140	2
		29000 - 47000	± 800	2
Mn	0.6	0.6 - 11	± 0.3	
		9 - 100	± 1	2
		250 - 800	± 18	4
Ca	16	16 - 450	± 8	
		500 - 900	± 20	3
		4000 - 9000	± 150	3
Cu	1.2	2 - 180	± 0.6	
		30 - 180	± 0.6	2
Zn	0.4	0.4 - 35	± 0.2	
		6 - 35	± 0.4	3
		50 - 300	± 6	5
Ni	1	1 - 25	± 0.5	
		6 - 30	± 0.5	2
Pb	0.6	0.6 - 8	± 0.3	
		3 - 20	± 0.4	5
		70 - 130	± 1	2
Cr	0.8	1 - 25	± 0.4	
		7 - 40	± 0.4	1
Si		23 - 30 %	± 0.5 %	2
Al		5 - 8 %	± 0.4 %	6
Mg		0.7 - 1.7 %	± 0.05 %	5
K		1.5 - 2.9 %	± 0.1 %	5

Average precision values, for the instrumental analyses for specific metals, were determined from duplicate analyses of solutions which were prepared for the total metal and leachable metal analyses. The precision values are reported in Table 2. In the low concentration ranges the precision can be used to evaluate the analytical detection limits. Under these conditions the analytical detection limit is approximately twice the value for precision. In the higher concentration ranges the average relative error determinations for these metals were used to evaluate the analytical results. As the detection limit is approached the relative error approaches 100 %. The relative error for a specific metal and sample was determined as the percent mean deviation relative to the sample mean. These results were then used to determine the average relative error for a specific metal and are

reported in Table 2. Average precision values for the elements Si, Al, Mg and K were determined for narrow concentration ranges and we did not determine the detection limits.

In an earlier study (Buckley et al 1989) results were reported for analyses of replicate samples and subsamples. The concentrations were in the higher concentration ranges and the % coefficients of variation included variation due to repetitive sampling and sampling inhomogeneity. In the present study we report relative error which includes only the error resulting from duplicate instrumental analyses of sample solutions.

Core	Depth cm	Core Length m	Water Depth m	Bottom Temp. °C	Latitude	Longitude	SiO _{2,w}	NH ₄ ⁺	SO ₄ ²⁻	pE	pH	ID
							µM	mM	mM	-lg M	-lg N	
GRAB002	0	.	.	.	.	.	.	.	.	.	.	100906
	0	.	.	.	.	.	.	.	.	.	.	100907
P003	30	9.9	2728	.	41.930	-63.380	440	.	28	5.9	7.20	100511
	50	9.9	2728	.	41.930	-63.380	440	.	28	5.7	7.32	100512
	70	9.9	2728	.	41.930	-63.380	500	.	28	5.5	7.59	100513
	90	9.9	2728	.	41.930	-63.380	550	.	28	5.4	7.40	100514
	100	9.9	2728	.	41.930	-63.380	580	.	28	5.5	7.53	100522
	150	9.9	2728	.	41.930	-63.380	580	.	28	5.3	7.40	100523
	190	9.9	2728	.	41.930	-63.380	520	.	28	5.3	7.33	100524
	240	9.9	2728	.	41.930	-63.380	470	.	28	5.3	7.51	100525
	290	9.9	2728	.	41.930	-63.380	430	.	28	5.0	7.37	100526
	320	9.9	2728	.	41.930	-63.380	370	.	28	4.8	7.29	100527
T003	0	1.9	2728	.	41.930	-63.380	370	.	28	9.1	7.05	100501
	20	1.9	2728	.	41.930	-63.380	420	.	28	8.0	7.34	100502
	40	1.9	2728	.	41.930	-63.380	450	.	28	5.2	7.57	100503
	60	1.9	2728	.	41.930	-63.380	460	.	28	5.1	7.39	100504
	80	1.9	2728	.	41.930	-63.380	410	.	28	5.0	7.38	100505
	100	1.9	2728	.	41.930	-63.380	410	.	28	5.1	7.65	100506
	120	1.9	2728	.	41.930	-63.380	470	.	28	5.3	7.42	100507
	140	1.9	2728	.	41.930	-63.380	580	.	28	5.0	7.35	100508
	160	1.9	2728	.	41.930	-63.380	580	.	28	5.0	7.32	100509
	180	1.9	2728	.	41.930	-63.380	520	.	28	4.0	7.34	100510
B006	5	.4	2680	.	42.170	-62.590	280	.	28	.	.	100515
	10	.4	2680	.	42.170	-62.590	400	.	28	.	.	100516
	15	.4	2680	.	42.170	-62.590	420	.	28	.	.	100517
	21	.4	2680	.	42.170	-62.590	440	.	28	.	.	100518
	25	.4	2680	.	42.170	-62.590	440	.	28	.	.	100519
	30	.4	2680	.	42.170	-62.590	440	.	28	.	.	100520
	35	.4	2680	.	42.170	-62.590	480	.	28	.	.	100521
P007	0	4.3	2646	.	42.160	-62.630	370	.	28	.	.	100540
	5	4.3	2646	.	42.160	-62.630	430	.	28	.	.	100541
	10	4.3	2646	.	42.160	-62.630	330	.	28	.	.	100542
	20	4.3	2646	.	42.160	-62.630	430	.	28	.	.	100543
	40	4.3	2646	.	42.160	-62.630	430	.	28	.	.	100544
	60	4.3	2646	.	42.160	-62.630	620	.	28	.	.	100545
	80	4.3	2646	.	42.160	-62.630	640	.	28	.	.	100546
	100	4.3	4136	.	42.160	-62.630	680	.	28	.	.	100547
	150	.	.	.	.	.	.	.	.	.	.	100548
	200	.	.	.	.	.	.	.	.	.	.	100549
	250	.	.	.	.	.	.	.	.	.	.	100550
	300	.	.	.	.	.	.	.	.	.	.	100551
T007	0	1.6	2646	.	42.160	-62.630	400	.	28	.	.	100528
	5	1.6	2646	.	42.160	-62.630	420	.	28	.	.	100529
	10	1.6	2646	.	42.160	-62.630	400	.	28	.	.	100530
	15	1.6	2646	.	42.160	-62.630	430	.	28	.	.	100531
	20	1.6	2646	.	42.160	-62.630	470	.	28	.	.	100532
	40	1.6	2646	.	42.160	-62.630	450	.	28	.	.	100533
	60	1.6	2646	.	42.160	-62.630	470	.	28	.	.	100534
	80	1.6	2646	.	42.160	-62.630	520	.	28	.	.	100535
	100	1.6	2646	.	42.160	-62.630	520	.	28	.	.	100536
	120	1.6	2646	.	42.160	-62.630	540	.	28	.	.	100537
140	1.6	2646	.	42.160	-62.630	580	.	28	.	.	100538	
155	1.6	2646	.	42.160	-62.630	510	.	28	.	.	100539	
P009	5	10.0	4136	.	41.330	-61.710	310	.	28	9.0	7.37	100563
	10	10.0	4136	.	41.330	-61.710	310	.	28	6.8	7.69	100564
	15	10.0	4136	.	41.330	-61.710	300	.	28	5.9	7.59	100565
	20	10.0	4136	.	41.330	-61.710	270	.	28	5.4	7.48	100566
	40	10.0	4136	.	41.330	-61.710	240	.	28	5.6	7.55	100567
	60	10.0	4136	.	41.330	-61.710	240	.	28	5.4	7.51	100568

Core	Depth cm	Core Length m	Water Depth m	Bottom Temp. °C	Latitude	Longitude	SiO _{2FW}	NH ₄ ⁺	SO ₄ ²⁻	pE	pH	ID
							µM	mM	mM	-lg M	-lg N	
P009	80	10.0	4136	.	41.330	-61.710	400	.	28	3.1	7.37	100569
	100	10.0	4136	.	41.330	-61.710	290	.	28	3.7	7.31	100570
	150	10.0	4136	.	41.330	-61.710	270	.	28	5.1	7.29	100571
	200	10.0	4136	.	41.330	-61.710	260	.	28	5.4	7.32	100572
	250	10.0	4136	.	41.330	-61.710	370	.	28	5.3	7.51	100573
	300	10.0	4136	.	41.330	-61.710	340	.	28	4.0	7.27	100574
T009	0	1.8	4136	.	41.330	-61.710	280	.	28	.	.	100552
	5	1.8	4136	.	41.330	-61.710	300	.	28	.	.	100553
	10	1.8	4136	.	41.330	-61.710	310	.	28	.	.	100554
	15	1.8	4136	.	41.330	-61.710	350	.	28	.	.	100555
	20	1.8	4136	.	41.330	-61.710	350	.	28	.	.	100556
	40	1.8	4136	.	41.330	-61.710	350	.	28	.	.	100557
	60	1.8	4136	.	41.330	-61.710	260	.	28	.	.	100558
	80	1.8	4136	.	41.330	-61.710	270	.	28	.	.	100559
	100	1.8	4136	.	41.330	-61.710	270	.	28	.	.	100560
	150	1.8	4136	.	41.330	-61.710	370	.	28	.	.	100561
	176	1.8	4136	.	41.330	-61.710	300	.	28	.	.	100562
G011	0	1.3	4306	.	41.280	-61.850	380	.	28	5.9	7.39	100575
	5	1.3	4306	.	41.280	-61.850	380	.	28	5.7	7.55	100576
	10	1.3	4306	.	41.280	-61.850	410	.	28	6.5	7.31	100577
	15	1.3	4306	.	41.280	-61.850	460	.	28	6.8	7.25	100578
	20	1.3	4306	.	41.280	-61.850	480	.	28	6.8	7.31	100579
	40	1.3	4306	.	41.280	-61.850	410	.	28	6.1	7.33	100580
	60	1.3	4306	.	41.280	-61.850	450	.	28	5.4	7.45	100581
	80	1.3	4306	.	41.280	-61.850	320	.	28	5.4	7.41	100582
	94	1.3	4306	.	41.280	-61.850	380	.	28	5.5	7.35	100583
P012	0	4.8	4342	.	41.290	-61.810	430	.03	28	6.5	7.28	100591
	5	4.8	4342	.	41.290	-61.810	320	.06	28	6.6	7.39	100592
	10	4.8	4342	.	41.290	-61.810	350	.13	28	5.7	7.42	100593
	15	4.8	4342	.	41.290	-61.810	340	.	28	5.8	7.47	100594
	20	4.8	4342	.	41.290	-61.810	380	.	28	5.6	7.63	100595
	40	4.8	4342	.	41.290	-61.810	300	.	28	5.7	7.36	100596
	60	4.8	4342	.	41.290	-61.810	460	.	28	5.6	7.36	100597
	80	4.8	4342	.	41.290	-61.810	460	.18	28	5.3	7.21	100598
	100	4.8	4342	.	41.290	-61.810	420	.	28	5.3	7.27	100599
	150	4.8	4342	.	41.290	-61.810	420	.	28	5.3	7.24	100600
	200	4.8	4342	.	41.290	-61.810	520	.31	28	4.9	7.28	100601
	250	4.8	4342	.	41.290	-61.810	430	.25	28	4.3	7.15	100602
	300	4.8	4342	.	41.290	-61.810	.	.	28	4.9	7.09	100603
T012	0	.6	4342	.	41.290	-61.810	235	.	28	5.6	7.35	100584
	0	.6	4342	.	41.290	-61.810	540	.	28	6.3	7.27	100585
	10	.6	4342	.	41.290	-61.810	420	.	28	6.4	7.15	100586
	15	.6	4342	.	41.290	-61.810	430	.	28	6.6	7.20	100587
	20	.6	4342	.	41.290	-61.810	410	.	28	6.2	7.21	100588
	40	.6	4342	.	41.290	-61.810	330	.	28	5.3	7.34	100589
	60	.6	4342	.	41.290	-61.810	270	.	28	5.9	7.37	100590
P013	2	7.4	3450	.	41.840	-62.330	500	.06	28	5.3	7.37	100614
	6	7.4	3450	.	41.840	-62.330	470	.07	28	5.4	7.46	100615
	10	7.4	3450	.	41.840	-62.330	550	.	28	5.3	7.46	100616
	17	7.4	3450	.	41.840	-62.330	570	.18	28	4.7	7.38	100617
	20	7.4	3450	.	41.840	-62.330	550	.	28	5.2	7.58	100618
	40	7.4	3450	.	41.840	-62.330	670	.25	28	5.2	7.36	100619
	60	7.4	3450	.	41.840	-62.330	720	.	28	2.7	7.17	100620
	80	7.4	3450	.	41.840	-62.330	670	.32	28	2.3	7.12	100621
	100	7.4	3450	.	41.840	-62.330	700	.	28	4.7	7.13	100622
	150	7.4	3450	.	41.840	-62.330	700	.40	28	5.4	7.27	100623
	200	7.4	3450	.	41.840	-62.330	600	.28	28	2.5	7.07	100624
	250	7.4	3450	.	41.840	-62.330	450	.32	28	4.6	7.08	100625
	300	7.4	3450	.	41.840	-62.330	.	.35	28	4.5	7.28	100626

Core	Depth cm	Core Length m	Water Depth m	Bottom Temp. °C	Latitude	Longitude	SiO _{3PW}	NH ₄ ⁺	SO ₄ ²⁻	pE	pH	ID
							µM	mM	mM	-lg M	-lg N	
T013	0	2.0	3450	.	41.840	-62.330	400	.	28	5.9	7.53	100604
	5	2.0	3450	.	41.840	-62.330	440	.	28	6.2	7.50	100605
	10	2.0	3450	.	41.840	-62.330	400	.	28	6.0	7.80	100606
	15	2.0	3450	.	41.840	-62.330	400	.	28	6.0	7.83	100607
	20	2.0	3450	.	41.840	-62.330	380	.	28	6.1	7.64	100608
	40	2.0	3450	.	41.840	-62.330	350	.	28	5.9	7.99	100609
	60	2.0	3450	.	41.840	-62.330	380	.	28	5.7	7.86	100610
	77	2.0	3450	.	41.840	-62.330	440	.	28	5.7	7.41	100611
	100	2.0	3450	.	41.840	-62.330	390	.	28	5.1	7.77	100612
	150	2.0	3450	.	41.840	-62.330	490	.	28	4.4	7.65	100613
P014	0	2.7	3532	.	41.789	-62.350	450	.01	28	6.0	7.25	100637
	5	2.7	3532	.	41.789	-62.350	440	.01	28	5.8	7.63	100638
	10	2.7	3532	.	41.789	-62.350	450	.	28	5.4	7.51	100639
	15	2.7	3532	.	41.789	-62.350	480	.06	28	5.5	7.54	100640
	20	2.7	3532	.	41.789	-62.350	480	.	28	5.3	7.60	100641
	40	2.7	3532	.	41.789	-62.350	460	.13	28	5.3	7.54	100642
	60	2.7	3532	.	41.789	-62.350	500	.	28	5.1	7.38	100643
	80	2.7	3532	.	41.789	-62.350	570	.17	28	5.3	7.51	100644
	100	2.7	3532	.	41.789	-62.350	570	.	28	5.4	7.75	100645
	150	2.7	3532	.	41.789	-62.350	600	.24	28	4.6	7.49	100646
	200	2.7	3532	.	41.789	-62.350	610	.31	28	5.3	7.37	100647
	250	2.7	3532	.	41.789	-62.350	610	.35	28	5.2	7.25	100648
T014	0	1.6	3532	.	41.789	-62.350	340	.	28	6.4	7.37	100627
	5	1.6	3532	.	41.789	-62.350	390	.	28	6.0	7.52	100628
	10	1.6	3532	.	41.789	-62.350	390	.	28	6.0	7.49	100629
	15	1.6	3532	.	41.789	-62.350	420	.	28	5.7	7.63	100630
	20	1.6	3532	.	41.789	-62.350	450	.	28	5.9	7.60	100631
	40	1.6	3532	.	41.789	-62.350	460	.	28	5.6	7.46	100632
	60	1.6	3532	.	41.789	-62.350	.	.	28	5.7	7.44	100633
	78	1.6	3532	.	41.789	-62.350	.	.	28	5.4	7.34	100634
	100	1.6	3532	.	41.789	-62.350	510	.	28	4.5	7.52	100635
	150	1.6	3532	.	41.789	-62.350	540	.	28	5.3	7.47	100636
G021	5	.	.	.	.	.	.	.	.	.	.	100649
	20	.	.	.	.	.	.	.	.	.	.	100650
	40	.	.	.	.	.	.	.	.	.	.	100651
	60	.	.	.	.	.	.	.	.	.	.	100652
	80	1.3	516	4.5	44.843	-55.750	.	.	28	5.9	7.21	100653
	100	1.3	516	4.5	44.843	-55.750	.	.	28	5.7	7.18	100654
120	1.3	516	4.5	44.843	-55.750	.	.	28	5.6	7.12	100655	
G022	0	1.3	450	4.5	44.850	-55.757	.	.	28	4.0	7.26	100656
	25	1.3	450	4.5	44.850	-55.757	.	.	28	4.5	7.26	100657
	50	1.3	450	4.5	44.850	-55.757	.	.	28	5.7	7.24	100658
	75	1.3	450	4.5	44.850	-55.757	.	.	28	5.7	7.11	100659
	125	1.3	450	4.5	44.850	-55.757	.	.	28	5.3	7.14	100661
	150	1.3	450	4.5	44.850	-55.757	.	.	28	5.3	7.12	100660
G023	0	1.0	417	4.7	44.885	-55.776	.	.	28	5.2	7.24	100662
	25	1.0	417	4.7	44.885	-55.776	.	.	28	6.0	7.24	100663
	50	1.0	417	4.7	44.885	-55.776	.	.	28	5.8	7.26	100664
	75	1.0	417	4.7	44.885	-55.776	.	.	28	5.8	7.14	100665
	90	1.0	417	4.7	44.885	-55.776	.	.	28	6.0	7.08	100666
G024	5	.5	366	4.7	44.877	-55.782	.	.	28	5.6	7.21	100667
	25	.5	366	4.7	44.877	-55.782	.	.	28	6.1	7.24	100668
	48	.5	366	4.7	44.877	-55.782	.	.	28	6.3	7.23	100669
G025	5	.4	324	4.7	44.882	-55.788	.	.	28	5.6	7.26	100670
	20	.4	324	4.7	44.882	-55.788	.	.	28	5.9	7.31	100671
	30	.4	324	4.7	44.882	-55.788	.	.	28	5.4	7.26	100672
	44	.4	324	4.7	44.882	-55.788	.	.	28	5.8	7.12	100673

Core	Depth cm	Core Length m	Water Depth m	Bottom Temp. °C	Latitude	Longitude	SiO _{2PW}	NH ₄ ⁺	SO ₄ ²⁻	pE	pH	ID
							µM	mM	mM	-lg M	-lg N	
G026	0	.5	304	4.8	44.885	-55.791	.	.	28	5.3	7.45	100674
	15	.5	304	4.8	44.885	-55.791	.	.	28	5.7	7.28	100675
	30	.5	304	4.8	44.885	-55.791	.	.	28	5.6	7.10	100676
	45	.5	304	4.8	44.885	-55.791	.	.	28	5.8	7.23	100677
B028	0	.3	1331	.	44.684	-55.524	350	.03	28	6.8	7.16	100678
	5	.3	1331	.	44.684	-55.524	440	.05	28	5.3	7.32	100679
	10	.3	1331	.	44.684	-55.524	630	.10	28	5.1	7.24	100680
	15	.3	1331	.	44.684	-55.524	710	.13	28	6.0	7.27	100681
	20	.3	1331	.	44.684	-55.524	790	.13	28	5.7	7.27	100682
	25	.3	1331	.	44.684	-55.524	840	.11	28	5.7	7.33	100683
	30	.3	1331	.	44.684	-55.524	900	.11	28	5.6	7.18	100684
P029	5	7.5	1334	.	44.683	-55.526	650	.44	28	5.9	7.63	100693
	10	7.5	1334	.	44.683	-55.526	630	.54	28	5.9	7.58	100694
	20	7.5	1334	.	44.683	-55.526	570	1.00	25	5.2	7.54	100695
	30	7.5	1334	.	44.683	-55.526	710	1.20	23	4.9	7.47	100696
	40	7.5	1334	.	44.683	-55.526	740	1.30	20	5.1	7.53	100697
	50	7.5	1334	.	44.683	-55.526	710	1.30	19	4.8	7.37	100698
	60	7.5	1334	.	44.683	-55.526	630	.	15	5.1	7.25	100699
	70	7.5	1334	.	44.683	-55.526	550	.	14	4.9	7.57	100700
	80	7.5	1334	.	44.683	-55.526	570	.	13	4.8	7.28	100701
	90	7.5	1334	.	44.683	-55.526	570	.	11	4.7	7.31	100702
	100	7.5	1334	.	44.683	-55.526	530	.	10	4.8	7.29	100703
	110	7.5	1334	.	44.683	-55.526	520	.	9	4.8	7.21	100704
	120	7.5	1334	.	44.683	-55.526	500	1.80	8	4.4	7.30	100705
	130	7.5	1334	.	44.683	-55.526	570	.	7	4.6	7.42	100706
	140	7.5	1334	.	44.683	-55.526	550	.	6	4.4	7.47	100707
	150	7.5	1334	.	44.683	-55.526	530	.	6	4.4	7.43	100708
	160	7.5	1334	.	44.683	-55.526	550	.	6	4.4	7.42	100709
	170	7.5	1334	.	44.683	-55.526	550	.	6	4.4	7.36	100710
	180	7.5	1334	.	44.683	-55.526	550	.	2	4.5	7.36	100711
	190	7.5	1334	.	44.683	-55.526	550	.	2	4.5	7.41	100712
	200	7.5	1334	.	44.683	-55.526	580	.	1	4.5	7.45	100713
210	7.5	1334	.	44.683	-55.526	600	.	1	4.5	7.44	100714	
220	7.5	1334	.	44.683	-55.526	580	.	0	4.5	7.41	100715	
230	7.5	1334	.	44.683	-55.526	570	.	0	4.6	7.42	100716	
240	7.5	1334	.	44.683	-55.526	500	.	0	4.2	7.40	100717	
250	7.5	1334	.	44.683	-55.526	530	2.20	0	4.2	7.52	100718	
280	7.5	1334	.	44.683	-55.526	420	.	0	4.6	7.66	100719	
290	7.5	1334	.	44.683	-55.526	390	.	0	4.4	7.48	100720	
300	7.5	1334	.	44.683	-55.526	360	.	0	4.4	7.35	100721	
P029A	79	7.5	1334	.	44.683	-55.520	.	.	.	.	.	100691
	140	7.5	1334	.	44.683	-55.520	.	.	.	.	.	100687
	140	7.5	1334	.	44.683	-55.520	.	.	.	.	.	100692
	293	7.5	1334	.	44.683	-55.520	.	.	.	.	.	100690
	445	7.5	1334	.	44.683	-55.520	.	.	.	.	.	100686
	445	7.5	1334	.	44.683	-55.520	.	.	.	.	.	100689
	598	7.5	1334	.	44.683	-55.520	.	.	.	.	.	100688
750	7.5	1334	.	44.683	-55.520	.	.	.	.	.	100685	
T029	5	.5	1334	.	44.683	-55.526	570	0.00	28	5.6	7.38	100722
	10	.5	1334	.	44.683	-55.526	740	0.00	28	5.6	7.38	100723
	15	.5	1334	.	44.683	-55.526	820	0.00	28	5.6	7.49	100724
	20	.5	1334	.	44.683	-55.526	840	0.00	28	5.7	7.50	100725
	30	.5	1334	.	44.683	-55.526	840	0.00	28	5.7	7.33	100726
	40	.5	1334	.	44.683	-55.526	840	0.00	28	5.4	7.36	100727
50	.5	1334	.	44.683	-55.526	870	0.00	28	5.6	7.38	100728	
G034	0	.5	503	4.7	44.854	-55.980	.	.	28	5.4	7.16	100729
	15	.5	503	4.7	44.854	-55.980	.	.	28	5.6	7.18	100730
	30	.5	503	4.7	44.854	-55.980	.	.	28	6.1	7.10	100731
	40	.5	503	4.7	44.854	-55.980	.	.	28	4.9	7.07	100732

Core	Depth	Core	Water	Bottom	Latitude	Longitude	SiO _{2PW}	NH ₄ ⁺	SO ₄ ²⁻	pE	pH	ID
	cm	Length m	Depth m	Temp. °C			µM	mM	mM	-lg M	-lg N	
G035	0	1.3	452	4.8	44.861	-55.979	.	.	28	5.3	7.27	100733
	25	1.3	452	4.8	44.861	-55.979	.	.	28	5.7	7.28	100734
	50	1.3	452	4.8	44.861	-55.979	.	.	28	5.6	7.15	100735
	75	1.3	452	4.8	44.861	-55.979	.	.	28	5.6	7.10	100736
	100	1.3	452	4.8	44.861	-55.979	.	.	28	5.4	7.07	100737
	110	1.3	452	4.8	44.861	-55.979	.	.	28	5.3	7.02	100738
	120	1.3	452	4.8	44.861	-55.979	.	.	28	5.5	7.08	100739
G036	0	.7	408	4.8	44.865	-55.978	.	.	28	5.1	7.25	100740
	25	.7	408	4.8	44.865	-55.978	.	.	28	5.3	7.20	100741
	50	.7	408	4.8	44.865	-55.978	.	.	28	5.3	7.18	100742
	67	.7	408	4.8	44.865	-55.978	.	.	28	5.2	7.20	100743
G037	8	.9	373	5.0	44.872	-55.979	.	.	28	4.8	7.16	100744
	25	.9	373	5.0	44.872	-55.979	.	.	28	5.4	7.23	100745
	50	.9	373	5.0	44.872	-55.979	.	.	28	5.3	7.23	100746
	70	.9	373	5.0	44.872	-55.979	.	.	28	5.1	7.25	100747
G038	0	.3	326	5.1	44.879	-55.979	.	.	28	5.6	7.29	100748
	5	.3	326	5.1	44.879	-55.979	.	.	28	5.6	7.26	100749
	10	.3	326	5.1	44.879	-55.979	.	.	28	5.3	7.18	100750
	15	.3	326	5.1	44.879	-55.979	.	.	28	5.9	7.17	100751
	20	.3	326	5.1	44.879	-55.979	.	.	28	5.8	7.13	100752
	30	.3	326	5.1	44.879	-55.979	.	.	28	5.2	7.06	100753
P040	0	6.8	1062	.	44.727	-55.616	650	.28	28	4.9	7.58	100763
	5	6.8	1062	.	44.727	-55.616	670	.44	28	4.9	7.30	100764
	10	6.8	1062	.	44.727	-55.616	670	.85	25	4.3	7.41	100765
	20	6.8	1062	.	44.727	-55.616	.	1.30	12	4.6	7.27	100766
	40	6.8	1062	.	44.727	-55.616	620	1.80	12	4.4	7.33	100767
	60	6.8	1062	.	44.727	-55.616	580	1.90	11	4.4	7.55	100768
	80	6.8	1062	.	44.727	-55.616	.	2.00	6	4.4	7.49	100769
	100	6.8	1062	.	44.727	-55.616	520	2.30	2	4.4	7.58	100770
	150	6.8	1062	.	44.727	-55.616	.	2.40	0	4.1	7.48	100771
	200	6.8	1062	.	44.727	-55.616	400	2.70	0	4.1	7.43	100772
	250	6.8	1062	.	44.727	-55.616	390	2.90	0	4.3	7.56	100773
	300	6.8	1062	.	44.727	-55.616	400	3.00	0	4.2	7.43	100774
	360	6.8	1062	.	44.727	-55.616	400	3.20	0	4.5	7.48	100775
	400	6.8	1062	.	44.727	-55.616	380	3.20	0	3.9	7.15	100776
	450	6.8	1062	.	44.727	-55.616	390	3.40	0	4.0	7.12	100777
	500	6.8	1062	.	44.727	-55.616	470	3.60	0	1.9	7.26	100778
550	6.8	1062	.	44.727	-55.616	390	3.60	0	4.6	7.37	100779	
600	6.8	1062	.	44.727	-55.616	440	3.70	0	3.4	7.32	100780	
650	6.8	1062	.	44.727	-55.616	450	3.80	0	4.1	7.15	100781	
680	6.8	1062	.	44.727	-55.616	400	4.00	0	4.4	7.20	100782	
T040	0	1.4	1062	.	44.727	-55.616	420	0.00	28	5.5	7.23	100754
	5	1.4	1062	.	44.727	-55.616	480	0.00	28	4.9	7.21	100755
	10	1.4	1062	.	44.727	-55.616	570	0.00	28	5.1	7.23	100756
	20	1.4	1062	.	44.727	-55.616	600	.07	28	5.1	7.23	100757
	40	1.4	1062	.	44.727	-55.616	620	.15	28	5.4	7.41	100758
	60	1.4	1062	.	44.727	-55.616	620	.16	28	5.4	7.12	100759
	80	1.4	1062	.	44.727	-55.616	620	.28	28	4.9	7.14	100760
	100	1.4	1062	.	44.727	-55.616	620	.32	28	4.6	7.18	100761
	100	.	.	.	.	.	.	.	.	.	.	100792
	110	.	.	.	.	.	.	.	.	.	.	100793
	120	.	.	.	.	.	.	.	.	.	.	100794
	130	.	.	.	.	.	.	.	.	.	.	100795
	138	.	.	.	.	.	.	.	.	.	.	100796
	140	1.4	1062	.	44.727	-55.616	600	.40	28	4.9	6.93	100762
B044	0	.4	1908	.	44.531	-55.624	360	.19	28	6.3	7.35	100783
	5	.4	1908	.	44.531	-55.624	380	.05	28	5.4	7.52	100784
	10	.4	1908	.	44.531	-55.624	400	.11	28	5.1	7.36	100785

Core	Depth cm	Core Length m	Water Depth m	Bottom Temp. °C	Latitude	Longitude	SiO _{2PPH}	NH ₄ ⁺	SO ₄ ²⁻	pE	pH	ID
							µM	mM	mM	-lg M	-lg N	
B044	15	.4	1908	.	44.531	-55.624	420	.16	28	4.3	7.32	100786
	20	.4	1908	.	44.531	-55.624	390	.18	28	4.4	7.61	100787
	25	.4	1908	.	44.531	-55.624	450	.20	28	3.4	7.26	100788
	30	.4	1908	.	44.531	-55.624	550	.27	28	5.1	7.45	100789
	35	.4	1908	.	44.531	-55.624	.	.	28	4.4	7.23	100790
	40	.4	1908	.	44.531	-55.624	720	.30	28	4.6	7.31	100791
B049	0	.3	1355	.	44.306	-53.738	370	0.00	28	5.7	7.26	100798
	5	.3	1355	.	44.306	-53.738	430	0.00	28	4.6	7.25	100799
	10	.3	1355	.	44.306	-53.738	460	.05	28	5.5	7.18	100800
	15	.3	1355	.	44.306	-53.738	540	.02	28	5.5	7.11	100801
	20	.3	1355	.	44.306	-53.738	560	.05	28	5.4	7.27	100802
	25	.3	1355	.	44.306	-53.738	580	.08	28	5.7	7.38	100803
	30	.3	1355	.	44.306	-53.738	610	.10	28	5.4	7.05	100804
G050	0	1.2	536	4.3	44.450	-53.717	430	.	28	4.9	7.32	100807
	20	1.2	536	4.3	44.450	-53.717	560	.	28	4.9	7.29	100808
	40	1.2	536	4.3	44.450	-53.717	630	.	28	5.2	7.21	100809
	60	1.2	536	4.3	44.450	-53.717	620	.	28	5.1	7.33	100810
	80	1.2	536	4.3	44.450	-53.717	610	.	28	4.7	7.05	100811
	100	1.2	536	4.3	44.450	-53.717	580	.	28	4.9	7.12	100812
G051	0	.6	476	4.2	44.457	-53.707	360	.	28	5.4	7.37	100813
	10	.6	476	4.2	44.457	-53.707	400	.	28	5.5	7.27	100814
	20	.6	476	4.2	44.457	-53.707	480	.	28	5.3	7.40	100815
	30	.6	476	4.2	44.457	-53.707	470	.	28	5.5	7.21	100816
	40	.6	476	4.2	44.457	-53.707	520	.	28	5.4	7.19	100817
	50	.6	476	4.2	44.457	-53.707	510	.	28	5.5	7.41	100818
GRAB054	10	.1	446	4.2	44.475	-53.705	340	.	28	.	.	100805
GRAB055	10	.1	351	4.2	44.485	-53.697	310	.	28	.	.	100806
P059	0	4.5	3621	.	41.828	-50.079	520	0.00	28	5.7	7.30	100828
	5	4.5	3621	.	41.828	-50.079	580	0.00	28	5.8	7.32	100829
	10	4.5	3621	.	41.828	-50.079	570	0.00	28	5.2	7.51	100830
	20	4.5	3621	.	41.828	-50.079	620	.06	28	4.6	7.42	100831
	40	4.5	3621	.	41.828	-50.079	630	.06	28	5.3	7.67	100832
	60	4.5	3621	.	41.828	-50.079	620	.08	28	5.3	7.48	100833
	80	4.5	3621	.	41.828	-50.079	690	.12	28	5.1	7.61	100834
	100	4.5	3621	.	41.828	-50.079	720	.13	28	5.0	7.48	100835
	140	4.5	3621	.	41.828	-50.079	790	.13	28	5.1	7.29	100836
	150	4.5	3621	.	41.828	-50.079	840	.14	28	5.2	7.47	100837
	200	4.5	3621	.	41.828	-50.079	850	.20	28	5.2	7.43	100838
	250	4.5	3621	.	41.828	-50.079	850	.25	28	5.4	7.63	100839
	295	4.5	3621	.	41.828	-50.079	830	.29	28	5.0	7.27	100840
	350	4.5	3621	.	41.828	-50.079	780	.35	28	5.6	7.58	100841
400	4.5	3621	.	41.828	-50.079	890	.41	28	4.7	7.43	100842	
445	4.5	3621	.	41.828	-50.079	.	.44	28	5.2	7.42	100843	
T059	0	1.4	3621	.	41.828	-50.079	440	0.00	28	5.6	7.61	100819
	5	1.4	3621	.	41.828	-50.079	540	0.00	28	5.7	7.67	100820
	10	1.4	3621	.	41.828	-50.079	520	.02	28	5.7	7.56	100821
	20	1.4	3621	.	41.828	-50.079	570	.05	28	5.1	7.39	100822
	40	1.4	3621	.	41.828	-50.079	620	.05	28	5.2	7.82	100823
	60	1.4	3621	.	41.828	-50.079	640	.10	28	4.8	7.36	100824
	80	1.4	3621	.	41.828	-50.079	640	.09	28	5.3	7.48	100825
	100	1.4	3621	.	41.828	-50.079	680	.09	28	5.3	7.34	100826
	136	1.4	3621	.	41.828	-50.079	580	.08	28	5.4	7.54	100827
G068	0	.	.	.	.	.	.	.	.	.	.	100844
B069	0	.4	988	.	43.310	-49.141	420	.03	28	5.5	7.43	100845
	5	.4	988	.	43.310	-49.141	560	.	28	5.0	7.38	100846
	10	.4	988	.	43.310	-49.141	600	.07	28	5.1	7.59	100847

Core	Depth	Core	Water	Bottom	Latitude	Longitude	SiO _{2FW}	NH ₄ ⁺	SO ₄ ²⁻	pE	pH	ID
	cm	Length m	Depth m	Temp. °C			µM	mM	mM	-lg M	-lg N	
B069	15	.4	988	.	43.310	-49.141	620	.	28	5.1	7.34	100848
	20	.4	988	.	43.310	-49.141	660	.13	28	5.6	7.39	100849
	25	.4	988	.	43.310	-49.141	680	.	28	5.2	7.20	100850
	30	.4	988	.	43.310	-49.141	760	.21	28	5.2	7.26	100851
	35	.4	988	.	43.310	-49.141	760	.25	28	5.4	7.19	100852
P074	0	8.0	972	.	47.028	-43.504	330	.02	28	5.7	7.39	100860
	10	8.0	972	.	47.028	-43.504	340	.	28	5.1	7.44	100861
	20	8.0	972	.	47.028	-43.504	270	.05	28	5.0	7.48	100862
	40	8.0	972	.	47.028	-43.504	330	.	28	5.5	7.31	100863
	60	8.0	972	.	47.028	-43.504	280	.08	28	5.5	7.44	100864
	80	8.0	972	.	47.028	-43.504	410	.	28	5.5	7.66	100865
	100	8.0	972	.	47.028	-43.504	.	.08	28	5.5	7.48	100866
	150	8.0	972	.	47.028	-43.504	190	.	28	5.7	7.52	100867
	187	8.0	972	.	47.028	-43.504	240	.10	28	5.7	7.52	100868
	250	8.0	972	.	47.028	-43.504	330	.	28	4.7	7.40	100869
	300	8.0	972	.	47.028	-43.504	340	.12	28	5.6	7.47	100870
	340	8.0	972	.	47.028	-43.504	280	.	28	5.6	7.64	100871
	400	8.0	972	.	47.028	-43.504	340	.14	28	5.6	7.51	100872
	450	8.0	972	.	47.028	-43.504	310	.	28	5.8	7.52	100873
	493	8.0	972	.	47.028	-43.504	270	.13	28	5.6	7.74	100874
	550	8.0	972	.	47.028	-43.504	270	.	28	5.3	7.80	100875
	600	8.0	972	.	47.028	-43.504	410	.15	28	5.4	7.68	100876
650	8.0	972	.	47.028	-43.504	340	.	28	5.4	7.53	100877	
700	8.0	972	.	47.028	-43.504	290	.16	28	5.2	7.48	100878	
750	8.0	972	.	47.028	-43.504	310	.	28	5.1	7.47	100879	
800	8.0	972	.	47.028	-43.504	300	.15	28	5.1	7.44	100880	
T074	10	1.6	972	.	47.028	-43.504	450	.01	28	5.9	7.59	100853
	20	1.6	972	.	47.028	-43.504	300	.	28	6.2	7.38	100854
	40	1.6	972	.	47.028	-43.504	290	.01	28	6.6	7.35	100855
	60	1.6	972	.	47.028	-43.504	270	.	28	4.9	7.30	100856
	80	1.6	972	.	47.028	-43.504	280	0.00	28	4.2	7.40	100857
	100	1.6	972	.	47.028	-43.504	310	.	28	5.3	7.57	100858
140	1.6	972	.	47.028	-43.504	360	0.00	28	4.4	7.28	100859	
B076	0	.5	967	.	47.029	-43.505	160	.03	28	6.0	7.59	100882
	5	.5	967	.	47.029	-43.505	220	.03	28	6.5	7.35	100883
	10	.5	967	.	47.029	-43.505	230	.03	28	6.4	7.42	100884
	15	.5	967	.	47.029	-43.505	240	.03	28	7.0	7.39	100885
	20	.5	967	.	47.029	-43.505	260	.03	28	6.6	7.25	100886
	25	.5	967	.	47.029	-43.505	270	.03	28	6.1	7.29	100887
	30	.5	967	.	47.029	-43.505	280	.03	28	7.1	7.25	100888
	35	.5	967	.	47.029	-43.505	280	.03	28	6.8	7.27	100889
	40	.5	967	.	47.029	-43.505	280	.03	28	7.3	7.17	100890
	45	.5	967	.	47.029	-43.505	300	.03	28	7.4	7.23	100891
P079	0	2.1	1143	.	47.562	-46.628	430	.14	28	3.5	7.80	100896
	5	2.1	1143	.	47.562	-46.628	430	.14	28	5.7	7.72	100897
	10	2.1	1143	.	47.562	-46.628	430	.14	28	5.6	8.00	100898
	20	2.1	1143	.	47.562	-46.628	440	.18	28	4.8	7.44	100899
	40	2.1	1143	.	47.562	-46.628	470	.25	28	5.3	7.86	100900
	54	2.1	1143	.	47.562	-46.628	450	.30	28	3.7	7.65	100901
	80	2.1	1143	.	47.562	-46.628	430	.46	27	4.7	7.58	100902
	100	2.1	1143	.	47.562	-46.628	.	.52	25	4.1	7.41	100903
	150	2.1	1143	.	47.562	-46.628	460	.55	23	4.7	7.45	100904
198	2.1	1143	.	47.562	-46.628	410	.59	21	5.4	7.34	100905	
T079	10	.5	1143	.	47.562	-46.628	350	.05	28	5.2	8.05	100892
	20	.5	1143	.	47.562	-46.628	380	.06	28	6.0	7.35	100893
	30	.5	1143	.	47.562	-46.628	410	.07	28	5.8	7.55	100894
	40	.5	1143	.	47.562	-46.628	440	.08	28	4.3	7.38	100895

Core	Depth cm	Fe _{HA} μg g ⁻¹	Fe _{HA} μg g ⁻¹	Fe _{BHA} μg g ⁻¹	Fe _B μg g ⁻¹	Fe _{BH} μg g ⁻¹	Fe _T μg g ⁻¹	Fe _{ORG} μg g ⁻¹	Mn _{HA} μg g ⁻¹	Mn _{HA} μg g ⁻¹	Mn _{BHA} μg g ⁻¹	Mn _B μg g ⁻¹	Mn _{BH} μg g ⁻¹	Mn _T μg g ⁻¹	Mn _{ORG} μg g ⁻¹	ID
GRAB002	0	2047	597	6920	13955	23519	35000	4743	65	14	89	73	242	127	100	100906
	0	2619	640	7800	17765	28824	39600	5461	73	11	100	114	298	200	117	100907
P003	30	670	294	4890	33264	39118	56900	5680	93	8	57	28	186	646	81	100511
	50	855	454	5020	33110	39439	61300	5075	92	14	63	31	200	669	87	100512
	70	1023	321	5170	36469	42983	57700	5207	107	9	64	40	220	680	83	100513
	90	984	464	5260	36369	43077	59900	6536	95	15	68	32	210	631	99	100514
	100	1210	362	5810	27984	35366	45800	6550	109	10	74	40	233	792	115	100522
	150	720	120	4640	27119	32599	40900	3830	126	10	60	21	217	790	102	100523
	190	997	263	5300	30188	36748	46900	5633	140	10	70	50	270	926	107	100524
	240	656	342	4760	27755	33513	47500	4374	91	14	64	45	214	874	86	100525
	290	1081	216	5410	38326	45033	60000	4919	224	15	82	110	431	1571	103	100526
	320	1079	336	5470	35574	42459	53700	5061	79	9	64	60	212	685	69	100527
T003	0	298	560	4570	25887	31315	48100	3012	79	661	332	74	1146	5990	307	100501
	20	223	72	2850	20134	23279	46300	1247	124	6	43	23	196	785	48	100502
	40	443	216	3680	30618	34957	52500	2377	100	12	54	48	214	612	65	100503
	60	613	551	4250	32038	37452	57200	4937	96	25	57	23	201	608	73	100504
	80	543	305	4540	33569	38957	57200	5007	68	12	57	23	160	485	71	100505
	100	958	263	4830	36239	42290	59200	5002	107	10	64	41	222	711	81	100506
	120	1001	548	5010	33538	40097	59100	4859	96	16	66	27	205	777	81	100507
	140	985	348	5120	35070	41523	58500	5235	97	12	67	45	221	695	83	100508
	160	616	271	4280	27370	32537	52600	5644	79	10	58	27	174	561	88	100509
	180	781	330	5520	27189	33820	47500	5729	84	14	77	31	206	562	107	100510
B006	5	417	548	4610	27928	33503	51700	3013	92	681	335	69	1177	5730	327	100515
	10	301	245	4440	28974	33960	51100	2279	123	644	331	67	1165	4300	296	100516
	15	271	149	3950	30786	35156	53600	1689	147	18	69	46	280	751	111	100517
	21	272	133	3720	28589	32714	46500	1648	196	11	58	38	303	745	49	100518
	25	293	120	3520	29532	33465	49800	1637	121	7	49	43	220	604	55	100519
	30	362	152	3860	31480	35854	51900	1818	112	5	52	35	204	466	58	100520
	35	384	104	3960	24399	28847	46100	2016	97	5	52	25	179	699	59	100521
P007	0	519	213	4550	31188	36470	48800	2951	137	9	60	65	271	962	63	100540
	5	512	192	4490	37976	43170	51400	3378	174	10	64	74	322	1100	98	100541
	10	492	184	4020	35319	40015	45700	2298	118	9	56	84	267	796	55	100542
	20	559	255	4480	35991	41285	38300	4501	106	9	61	87	263	588	76	100543
	40	915	245	5350	39733	46243	54800	5875	94	6	64	58	222	819	67	100544
	60	1027	305	5300	34228	40860	49000	5783	104	12	72	67	255	949	83	100545
	80	1378	252	5130	37591	44351	50000	4822	161	12	60	70	303	972	79	100546
	100	692	103	3990	35323	40108	19600	3448	93	7	49	109	258	147	61	100547
	150	818	185	4700	46376	52079	55200	5042	80	6	64	125	275	939	65	100548
	200	733	201	5000	40753	46687	49000	6797	68	9	64	86	227	937	179	100549
250	313	148	3920	30964	35345	47600	4057	36	10	52	49	147	777	121	100550	
300	389	120	3490	35385	39384	49000	6041	38	2	48	57	145	550	35	100551	
T007	0	263	297	4450	30409	35419	48000	2137	135	627	286	90	1138	2557	284	100528
	5	245	115	4190	30204	34754	48800	1475	98	5	55	59	217	811	49	100529
	10	287	154	3550	29383	33374	46700	1363	101	8	50	60	219	748	33	100530
	15	283	129	3690	26914	31016	44000	1377	102	8	52	49	211	720	35	100531
	20	304	112	5810	27539	33765	43800	1426	112	7	52	55	226	733	38	100532
	40	513	179	4000	32561	37253	49100	2717	101	7	57	68	233	798	56	100533
	60	637	206	4570	37816	43229	53400	4793	97	10	64	67	238	922	70	100534
	80	569	228	4890	37325	43012	53400	4631	78	7	59	70	214	804	57	100535
	100	805	303	4560	36828	42496	57400	5515	88	9	61	63	221	819	67	100536
	120	1011	363	5250	36813	43437	55800	6419	102	12	67	62	243	878	82	100537
140	1043	405	5540	35342	42330	56000	6097	104	12	70	58	244	937	82	100538	
155	1113	326	5220	35233	41892	55700	6257	105	9	66	59	239	928	81	100539	
P009	5	368	148	4830	32877	38223	49000	2742	177	130	150	72	529	2037	213	100563
	10	460	195	4930	36126	41711	52200	2960	184	14	75	56	329	1298	109	100564
	15	703	131	4860	35110	40804	47500	3677	105	7	65	58	235	834	75	100565
	20	1061	136	4180	39780	45157	56500	4299	138	6	72	77	293	1107	80	100566
	40	1260	182	5420	44323	51185	61500	5190	176	5	75	92	348	1199	82	100567
	60	1267	100	4610	41516	47493	58100	5033	266	7	78	134	485	1739	83	100568

Core	Depth cm	Fe _{HA} μg g ⁻¹	Fe _{NA} μg g ⁻¹	Fe _{BNA} μg g ⁻¹	Fe _R μg g ⁻¹	Fe _{DDM} μg g ⁻¹	Fe _R μg g ⁻¹	Fe _{ORO} μg g ⁻¹	Mn _{HA} μg g ⁻¹	Mn _{NA} μg g ⁻¹	Mn _{BNA} μg g ⁻¹	Mn _R μg g ⁻¹	Mn _{DDM} μg g ⁻¹	Mn _T μg g ⁻¹	Mn _{ORO} μg g ⁻¹	ID
P009	80	1450	169	4730	40089	46438	58900	5380	293	10	72	120	495	1785	73	100569
	100	1368	217	5870	48163	55618	62300	5522	230	8	82	119	439	1552	102	100570
	150	1315	140	4960	45972	52387	61700	4935	281	9	81	139	510	1653	75	100571
	200	1381	206	5460	49936	56983	64800	5059	154	6	76	114	350	1254	99	100572
	250	1383	172	4810	41716	48081	59600	4517	235	9	72	141	457	1596	83	100573
	300	1585	316	5090	39131	46122	56200	4675	252	14	77	134	477	1541	65	100574
T009	0	1144	591	5360	36989	44084	55500	5126	354	421	188	70	1033	1932	50	100552
	5	1169	281	5110	34444	41004	51200	4491	332	24	78	101	535	2012	41	100553
	10	699	257	4270	25067	30293	36900	2721	247	17	57	61	382	1319	73	100554
	15	384	198	4080	27544	32206	36100	2576	195	177	95	72	539	1894	188	100555
	20	232	162	4100	29609	34103	36800	2248	159	181	97	79	516	1649	211	100556
	40	351	267	4400	34196	39214	51200	2079	62	6	46	64	178	617	31	100557
	60	924	227	4460	39424	45035	53900	4146	88	8	71	108	275	1006	88	100558
	80	1143	267	4750	38648	44808	57200	4117	231	12	73	97	413	1468	73	100559
	100	1269	237	5190	37939	44635	57900	5081	189	8	72	92	361	1315	97	100560
	150	1403	237	4670	46112	52422	59500	5027	257	11	75	171	514	1701	78	100561
	176	1360	426	5510	43152	50448	62400	5910	196	15	82	107	400	1434	120	100562
G011	0	534	220	4520	21349	26623	37300	2306	209	57	67	55	388	1390	138	100575
	5	444	137	4370	20612	25563	35400	2016	183	10	54	46	293	970	62	100576
	10	334	203	4480	21480	26497	34900	2176	176	63	71	74	384	1208	140	100577
	15	250	156	4710	23180	28296	35400	2210	126	48	69	73	316	918	139	100578
	20	247	397	5100	30729	36473	49300	863	184	624	300	149	1257	3083	264	100579
	40	467	168	4490	32544	37669	50700	593	71	7	56	70	204	666	40	100580
	60	679	180	4470	15736	21065	28900	2781	87	9	60	2	158	458	80	100581
	80	1383	254	4910	38889	45436	58600	2537	118	6	77	104	305	1155	91	100582
	94	1100	261	5040	34447	40848	53900	3810	105	10	78	89	282	1180	99	100583
P012	0	647	237	5530	31340	37754	49000	1833	298	93	90	71	552	1987	119	100591
	5	1393	121	4900	30143	36557	48600	2887	211	5	60	75	351	1197	78	100592
	10	1085	175	4880	33989	40129	49600	2355	167	8	67	110	352	1149	90	100593
	15	1386	143	5110	33072	39711	49100	2664	254	8	66	60	388	1289	70	100594
	20	1377	165	5290	31471	38303	50200	2593	171	8	67	84	330	1121	87	100595
	40	1398	177	5200	32199	38974	49700	2562	264	9	64	78	415	1350	81	100596
	60	708	150	4830	34000	39688	43700	1892	124	6	63	94	287	802	79	100597
	80	476	127	4290	30094	34987	44900	1364	106	5	57	80	248	907	70	100598
	100	1581	183	5260	32115	39139	50200	3089	257	9	66	76	408	1277	76	100599
	150	937	172	5170	33640	39919	50000	2533	175	8	69	57	309	1126	98	100600
	200	824	246	7000	32183	40253	48800	3426	140	20	96	211	467	0	70	100601
250	1038	267	7200	34182	42687	56600	3942	179	21	100	159	458	382	88	100602	
300	1109	302	7910	37183	46504	57900	4561	156	23	103	196	478	237	97	100603	
T012	0	477	322	4620	20170	25589	39400	1253	160	234	91	33	518	2022	259	100584
	0	548	246	4940	26757	32491	42300	1232	197	75	76	49	397	1405	182	100585
	10	621	229	5430	33507	39787	49200	1449	262	67	79	75	483	1730	134	100586
	15	756	263	5160	33605	39784	48500	1574	301	93	88	71	553	1764	107	100587
	20	1035	181	5380	33591	40187	51800	1875	314	24	64	69	471	1772	74	100588
	40	1505	127	4840	31639	38111	44400	3045	239	7	63	106	415	1090	76	100589
60	1407	151	4570	34243	40371	47300	2893	218	9	58	103	388	1088	76	100590	
P013	2	313	331	4350	27014	32008	42600	2047	290	553	279	42	1164	3093	170	100614
	6	327	130	4140	29777	34374	48900	1423	148	11	59	43	261	901	76	100615
	10	559	171	4900	33630	39260	53900	3061	131	7	65	56	259	949	93	100616
	17	575	242	5080	37982	43879	55800	3825	96	7	62	39	205	777	88	100617
	20	725	261	5180	36801	42967	59200	3425	125	7	64	48	244	899	89	100618
	40	854	290	5350	33948	40442	51500	3806	118	9	68	21	216	794	99	100619
	60	872	314	5160	28968	35314	41700	4288	110	9	65	25	209	685	112	100620
	80	973	402	5490	36366	43231	53700	5947	132	9	70	31	241	886	114	100621
	100	841	379	5350	30809	37379	47700	4809	90	11	61	16	177	630	99	100622
	150	994	513	6180	29792	37479	53000	5506	78	10	69	16	173	676	112	100623
	200	2205	1040	7290	32170	42705	60000	6925	170	22	88	7	288	1052	188	100624
	250	1654	766	6120	36200	44740	56300	5596	129	20	78	23	250	926	158	100625
300	1496	408	5740	43613	51257	59200	4624	233	22	78	50	382	727	142	100626	

Core	Depth cm	Fe _{HA} μg g ⁻¹	Fe _{NA} μg g ⁻¹	Fe _{HNA} μg g ⁻¹	Fe _R μg g ⁻¹	Fe _{SOH} μg g ⁻¹	Fe _T μg g ⁻¹	Fe _{ORG} μg g ⁻¹	Mn _{HA} μg g ⁻¹	Mn _{NA} μg g ⁻¹	Mn _{HNA} μg g ⁻¹	Mn _R μg g ⁻¹	Mn _{SOH} μg g ⁻¹	Mn _T μg g ⁻¹	Mn _{ORG} μg g ⁻¹	ID	
T013	0	463	474	4920	22388	28245	44000	3057	243	562	313	42	1159	5446	197	100604	
	5	388	350	4830	26345	31913	41300	2632	291	556	306	50	1202	3177	149	100605	
	10	278	109	4420	26461	31268	44600	1632	172	9	59	40	280	981	78	100606	
	15	235	66	4100	28733	33134	45000	1515	162	4	60	47	273	932	85	100607	
	20	212	63	3700	26122	30097	45700	1418	153	4	54	37	248	970	71	100608	
	40	365	130	4380	30769	35644	48200	1905	136	6	62	46	250	822	85	100609	
	60	536	192	4270	36708	41706	55500	2394	131	9	65	67	272	1016	92	100610	
	77	551	185	4310	34550	39596	55500	3189	125	9	61	43	238	987	88	100611	
	100	846	262	4590	28718	34416	57500	4864	128	7	67	24	226	928	95	100612	
	150	625	270	5720	32759	39374	54600	4265	92	8	62	33	195	704	86	100613	
	F014	0	346	507	6280	21027	28160	44100	2474	290	3376	522	8	4195	6070	188	100637
		5	145	91	5440	29951	35627	43300	1215	274	29	91	339	733	336	88	100638
10		214	108	5700	30351	36373	46200	1186	265	28	100	13	405	697	79	100639	
15		194	89	4410	23226	27919	42500	1276	248	16	74	0	338	485	85	100640	
20		195	110	4800	41024	46129	53100	1325	211	20	80	28	339	515	79	100641	
40		289	138	4580	26927	31934	52000	1621	171	17	66	0	254	227	67	100642	
60		327	161	4730	28133	33351	51700	2103	155	15	69	0	239	229	77	100643	
80		435	209	3870	36005	40519	56700	3275	177	20	75	0	272	496	93	100644	
100		428	217	3930	28787	33362	55600	3892	158	19	69	0	246	252	84	100645	
150		496	239	4750	33260	38745	58700	4034	129	15	71	0	215	372	84	100646	
200		641	254	4650	25552	31097	46500	4309	153	21	69	0	243	44	90	100647	
250		798	289	4850	29522	35459	62500	5042	155	15	70	0	240	389	92	100648	
T014	0	344	741	7300	0	8385	43700	2666	159	3580	638	0	4377	8750	271	100627	
	5	326	283	6270	18520	25399	42500	1734	294	253	176	22	744	1050	126	100628	
	10	151	154	6140	22135	28580	51200	1219	211	32	99	4	347	691	72	100629	
	15	139	111	6650	19602	26502	46300	1081	239	29	107	11	386	552	58	100630	
	20	121	80	6580	16723	23504	44500	1009	228	20	117	12	377	559	50	100631	
	40	192	118	4550	31583	36443	47900	1198	214	23	88	10	335	531	47	100632	
	60	302	176	4980	23917	29375	52100	1738	184	21	78	13	296	328	76	100633	
	78	380	208	5530	30575	36693	51500	2010	187	23	82	16	308	307	84	100634	
	100	454	207	5890	28655	35206	53700	2646	198	22	95	20	336	475	86	100635	
	150	411	233	6660	31043	38347	63000	3879	88	20	90	6	203	204	91	100636	
G021	5	186	104	3570	15680	19540	28800	6524	40	11	42	0	93	0	60	100649	
	20	168	85	3590	12234	16077	31100	5092	42	12	43	0	97	71	60	100650	
	40	181	113	2910	12498	15702	34000	6989	45	10	46	0	101	155	55	100651	
	60	133	62	3160	21712	25067	32700	6697	51	11	52	44	159	65	63	100652	
	80	144	84	2970	19496	22694	31900	6096	53	10	50	61	174	162	58	100653	
	100	238	138	3770	16834	20980	35700	7342	61	15	54	0	130	216	58	100654	
120	237	57	3440	13913	17647	29600	5093	72	7	64	0	143	250	67	100655		
G022	0	144	70	3420	17585	21219	28200	4356	45	10	51	29	135	0	61	100656	
	25	133	62	3520	18241	21956	29500	7147	45	10	52	0	107	0	56	100657	
	50	126	52	4350	20137	24665	33300	8654	52	9	56	0	117	36	61	100658	
	75	135	37	4120	17414	21706	30400	6715	57	8	60	52	177	103	58	100659	
	125	328	78	3980	18305	22691	31300	5812	72	6	60	48	186	111	73	100661	
	150	166	56	4070	21170	25462	30000	5984	61	7	55	113	236	126	75	100660	
G023	0	213	58	4080	17134	21485	24000	3707	50	10	51	6	118	82	72	100662	
	25	113	41	4000	15846	20000	14000	4987	49	11	53	0	113	147	66	100663	
	50	173	113	4980	19593	24859	31600	6637	46	11	61	92	209	48	62	100664	
	75	264	119	4860	17858	23101	31300	6136	50	9	59	58	176	88	63	100665	
	90	250	123	4740	22172	27285	35300	7260	49	8	58	74	189	365	62	100666	
G024	5	141	47	4450	19718	24356	29600	4299	52	11	61	153	277	162	65	100667	
	25	125	61	4390	22052	26628	27200	5915	52	11	57	201	321	323	63	100668	
	48	132	53	4150	18150	22485	29100	6998	54	13	56	135	258	15	71	100669	
G025	5	141	68	3950	16416	20575	29400	4849	57	10	57	124	248	326	74	100670	
	20	113	38	3940	15127	19218	27500	5567	56	10	57	197	320	183	84	100671	
	30	297	94	3540	17023	20954	28500	6063	62	8	46	145	261	15	82	100672	
	44	349	98	3160	18672	22279	28600	5891	62	7	44	179	292	124	70	100673	

Core	Depth cm	Fe _{HA} μg g ⁻¹	Fe _{HA} μg g ⁻¹	Fe _{HNA} μg g ⁻¹	Fe _R μg g ⁻¹	Fe _{BDH} μg g ⁻¹	Fe _r μg g ⁻¹	Fe _{ORG} μg g ⁻¹	Mn _{HA} μg g ⁻¹	Mn _{NA} μg g ⁻¹	Mn _{HNA} μg g ⁻¹	Mn _R μg g ⁻¹	Mn _{BDH} μg g ⁻¹	Mn _r μg g ⁻¹	Mn _{ORG} μg g ⁻¹	ID
G026	0	296	79	2590	14629	17594	19800	4384	57	6	34	197	294	11	70	100674
	15	135	54	2480	11726	14395	16700	4095	58	8	37	5	108	37	67	100675
	30	194	42	2800	12979	16015	22500	6346	67	7	48	10	132	131	77	100676
	45	53	51	2660	10978	13742	23200	6397	20	5	40	0	65	184	120	100677
B028	0	438	235	3960	18009	22642	25900	2852	60	7	36	7	109	145	46	100678
	5	152	101	3100	18609	21962	26700	2368	33	3	29	12	77	137	30	100679
	10	173	81	2890	17162	20306	25800	3917	38	3	24	0	65	103	22	100680
	15	121	98	2440	18642	21301	26400	4299	35	3	18	0	56	133	13	100681
	20	121	65	2710	18297	21193	26200	6169	38	3	21	0	62	156	0	100682
	25	116	60	2210	16637	19023	26400	5934	36	3	18	0	57	237	0	100683
	30	155	53	2440	17105	19753	26200	5135	44	6	37	0	87	253	32	100684
P029	5	111	109	3850	22269	26339	37300	5849	43	5	48	10	106	260	39	100693
	10	318	212	4970	29741	35241	45100	5232	86	15	63	28	192	764	75	100694
	20	443	222	6240	31000	37905	46400	6817	108	14	75	19	216	651	101	100695
	30	523	334	5850	29470	36177	47400	7037	95	15	70	19	199	596	102	100696
	40	314	185	5490	22971	28960	40200	5616	80	15	68	13	175	473	98	100697
	50	415	224	5770	25265	31674	39700	6035	83	16	75	7	181	473	106	100698
	60	656	314	5840	22455	29265	46500	5854	90	18	76	16	200	630	114	100699
	70	781	360	6210	29526	36877	48200	7389	92	18	81	20	211	712	120	100700
	80	827	403	6290	30285	37805	50600	6773	86	18	80	15	199	641	119	100701
	90	921	415	6000	29573	36909	47100	5789	96	21	77	23	216	716	117	100702
	100	986	410	6340	30024	37760	50900	6484	98	17	81	22	218	773	124	100703
	110	850	400	6610	27787	35647	48600	6090	107	20	84	5	216	710	118	100704
	120	1000	415	6150	27978	35543	49800	6110	106	18	79	19	222	729	124	100705
	130	1050	564	6060	32175	39849	55400	7410	103	21	77	3	204	792	125	100706
	140	1022	455	6390	27953	35820	51400	6548	106	17	81	10	214	748	126	100707
	150	1156	541	663	31783	34143	53100	7094	109	21	84	15	229	813	129	100708
	160	1063	510	621	30003	32197	53300	6747	106	17	79	15	217	811	133	100709
	170	1216	439	619	32038	34312	53500	6514	115	14	80	6	215	838	129	100710
	180	1075	519	665	28606	30865	53900	7775	115	19	84	5	223	863	146	100711
	190	850	407	655	29913	31825	50600	7930	107	17	85	11	220	918	153	100712
200	869	368	6240	33891	41368	47300	8211	109	21	87	21	238	855	145	100713	
210	620	209	6070	25069	31968	42500	10110	101	18	85	4	208	653	150	100714	
220	622	270	6510	24717	32119	40800	8568	106	24	96	0	226	762	164	100715	
230	692	284	6020	21485	28481	42500	8838	110	25	92	5	232	825	168	100716	
240	708	294	6030	20166	27198	44600	9392	101	24	87	20	232	566	161	100717	
250	709	294	6300	21542	28845	45500	8291	104	25	94	32	255	637	164	100718	
280	998	333	6220	22951	30502	45100	6652	108	25	91	28	252	618	159	100719	
290	918	301	6280	21465	28964	46600	5642	96	19	87	27	229	547	144	100720	
300	1259	378	6520	26271	34428	50600	6491	111	18	88	38	255	732	147	100721	
P029A	79	151	60	2920	26361	29492	40100	5349	46	2	44	0	92	647	37	100691
	140	807	290	5480	27518	34095	44800	7203	101	18	89	0	208	898	123	100687
	140	883	257	4810	26018	31968	43500	6587	109	10	79	0	198	876	107	100692
	293	740	155	4680	20787	26362	38700	5640	104	16	90	0	210	742	129	100690
	445	1481	296	4580	27185	33542	44400	6829	125	13	81	0	219	946	129	100686
	445	1428	284	5700	26300	33712	40300	6622	115	13	89	0	217	811	120	100689
	598	1740	497	7000	23422	32659	43100	6830	109	19	101	0	229	674	125	100688
750	2188	539	4850	27561	35138	40800	6492	124	15	83	0	222	900	125	100685	
T029	5	192	122	4330	20526	25170	30800	2168	37	4	44	20	105	189	37	100722
	10	219	136	4810	22967	28132	31900	3821	46	4	51	14	115	170	35	100723
	15	135	112	4230	18909	23386	32500	3745	42	4	47	14	106	176	35	100724
	20	108	60	3940	21679	25787	31400	3802	42	3	44	21	110	128	34	100725
	30	129	104	3880	19139	23252	32500	5191	38	3	44	13	97	141	35	100726
	40	119	74	4710	22222	27125	34100	4461	41	3	48	23	115	227	39	100727
50	106	125	3740	20968	24939	33500	5104	40	5	45	9	99	183	36	100728	
G034	0	196	98	3550	19195	23039	25200	5134	50	13	49	0	112	393	51	100729
	15	136	49	3200	14574	17959	24500	5994	47	12	52	0	111	533	68	100730
	30	159	61	3630	15070	18920	24100	6991	48	12	56	0	116	683	63	100731
	40	165	61	3390	21310	24926	23800	6255	46	12	51	0	109	616	64	100732

Core	Depth cm	Fe _{HA} μg g ⁻¹	Fe _{NA} μg g ⁻¹	Fe _{HNA} μg g ⁻¹	Fe _R μg g ⁻¹	Fe _{SH} μg g ⁻¹	Fe _T μg g ⁻¹	Fe _{ORG} μg g ⁻¹	Mn _{HA} μg g ⁻¹	Mn _{NA} μg g ⁻¹	Mn _{HNA} μg g ⁻¹	Mn _R μg g ⁻¹	Mn _{SH} μg g ⁻¹	Mn _T μg g ⁻¹	Mn _{ORG} μg g ⁻¹	ID
G035	0	150	51	3160	15953	19314	24200	5750	50	13	54	0	117	239	71	100733
	25	159	56	3020	20382	23617	25100	5841	48	13	53	0	114	341	56	100734
	50	128	40	2900	21083	24151	25100	6942	50	12	53	0	115	324	81	100735
	75	128	74	3240	15922	19364	24100	6642	44	11	48	0	103	418	65	100736
	100	148	86	3120	15027	18381	24800	6202	44	10	46	0	100	427	71	100737
	110	227	136	3470	14378	18211	24900	5243	46	11	49	0	106	349	66	100738
	120	148	70	3820	17892	21930	26600	7382	51	12	64	0	127	660	72	100739
G036	0	187	59	2410	14222	16878	23600	3243	57	12	56	0	125	533	74	100740
	25	142	53	2380	19096	21671	25600	6328	54	9	54	0	117	491	72	100741
	50	180	54	2630	17515	20379	24900	6250	61	10	56	0	127	419	75	100742
	67	167	54	2700	18638	21559	24500	5953	60	9	53	0	122	501	72	100743
G037	8	179	53	2270	11130	13632	17000	2631	57	11	51	0	119	441	79	100744
	25	140	46	1970	14742	16898	23000	5620	51	11	50	0	112	501	74	100745
	50	147	43	2070	15749	18009	19900	5663	57	11	52	0	120	371	79	100746
	70	173	68	2510	15724	18475	25800	7047	54	13	60	0	127	451	75	100747
G038	0	165	56	2370	15491	18082	23300	5095	60	11	57	0	128	502	74	100748
	5	146	51	2250	11305	13752	21200	5204	58	10	56	0	124	499	81	100749
	10	170	56	2140	14378	16744	21000	5240	60	10	55	0	125	658	83	100750
	15	170	52	2280	18318	20820	22400	5400	61	10	57	0	128	427	87	100751
	20	174	53	2370	21287	23884	22600	6406	59	10	58	36	162	458	88	100752
	30	209	62	2520	20055	22846	23100	6621	63	11	58	6	138	563	86	100753
P040	0	314	78	4730	22295	27417	40700	6356	57	4	58	24	143	371	55	100763
	5	579	140	6040	24009	30768	43100	8221	95	9	72	10	186	420	118	100764
	10	1021	294	6500	27792	35607	50800	8699	96	11	81	2	190	562	145	100765
	20	1234	340	6850	27671	36095	51200	8316	113	14	87	12	226	642	145	100766
	40	1250	411	7180	33808	42649	53300	7870	112	15	93	22	242	623	138	100767
	60	1088	311	6920	28258	36577	53400	7022	112	13	90	9	224	722	145	100768
	80	972	320	7320	27853	36465	53500	6978	107	15	97	21	240	733	152	100769
	100	730	212	6430	23798	31170	43100	6420	104	18	90	9	221	578	155	100770
	150	1648	326	7410	28829	38213	53800	8522	121	12	95	21	249	906	145	100771
	200	1573	292	6670	24743	33278	47500	7077	102	12	81	28	223	576	130	100772
	250	2063	373	6580	30125	39141	52500	6357	136	14	85	48	283	851	136	100773
	300	2143	494	7160	25284	35081	50800	6257	116	12	89	36	253	785	149	100774
	360	1735	452	6990	26325	35502	46500	7075	105	16	89	23	233	627	152	100775
	400	2273	502	5910	33501	42186	54200	18517	174	15	81	44	314	1013	126	100776
	450	1995	456	7020	31066	40537	49700	7085	109	10	89	41	249	686	145	100777
	500	2019	510	6700	24518	33747	49800	6921	120	12	90	31	253	785	147	100778
	550	3389	978	8030	26240	38637	52200	8241	120	17	102	49	288	699	153	100779
600	2219	526	6840	24026	33611	49000	6851	117	15	91	43	266	806	159	100780	
650	2181	538	7190	22723	32632	49200	6929	120	14	92	8	234	678	142	100781	
680	2588	607	7100	24430	34725	50100	7422	117	15	95	23	250	688	143	100782	
T040	0	401	166	4730	15934	21231	31700	2989	43	5	50	9	107	63	46	100754
	5	374	139	4330	15619	20462	31200	3656	44	4	47	8	103	86	45	100755
	10	251	95	4220	14753	19319	30800	4419	40	5	46	10	101	57	42	100756
	20	232	92	3960	16390	20674	32300	5198	44	5	46	10	105	78	42	100757
	40	231	85	4120	17286	21722	35400	4289	46	4	50	14	114	86	47	100758
	60	273	104	4520	21780	26677	40900	4747	59	4	57	29	149	323	56	100759
	80	392	109	4840	24081	29422	43000	5848	79	5	62	26	172	454	81	100760
	100	437	88	5300	23871	29696	44700	6103	88	5	66	19	178	460	92	100761
	100	310	118	8380	20043	28851	40400	6720	95	15	93	0	203	158	68	100792
	110	314	125	7890	19404	27733	39300	6916	96	16	84	0	196	162	75	100793
	120	366	129	7430	20700	28625	39700	7054	108	18	79	0	205	123	71	100794
	130	352	142	7550	20163	28207	40400	8408	105	20	83	4	212	136	57	100795
	138	409	140	8860	21990	31399	40900	9171	113	19	84	20	235	111	63	100796
	140	560	134	5300	26880	32874	45200	7680	102	6	63	19	190	587	109	100762
B044	0	1107	272	5680	51351	58410	42000	8803	113	11	87	0	211	998	126	100783
	5	1104	245	6090	34732	42171	42200	6696	105	12	96	0	213	906	132	100784
	10	1114	125	10090	29045	40374	40300	9856	119	6	102	47	274	936	114	100785

Core	Depth cm	Fe _{HA} μg g ⁻¹	Fe _{HA} μg g ⁻¹	Fe _{HBA} μg g ⁻¹	Fe _R μg g ⁻¹	Fe _{SUH} μg g ⁻¹	Fe _C μg g ⁻¹	Fe _{ORG} μg g ⁻¹	Mn _{HA} μg g ⁻¹	Mn _{HA} μg g ⁻¹	Mn _{HBA} μg g ⁻¹	Mn _R μg g ⁻¹	Mn _{SUH} μg g ⁻¹	Mn _C μg g ⁻¹	Mn _{ORG} μg g ⁻¹	ID
B044	15	1159	290	10680	35535	47664	44700	7061	120	14	103	24	261	971	112	100786
	20	2222	554	11720	29196	43692	43900	11498	121	14	114	40	290	1079	130	100787
	25	1046	291	9360	32324	43021	42800	7124	111	12	98	0	221	982	95	100788
	30	1530	433	9360	27304	38627	44300	7710	124	14	101	0	239	185	200	100789
	35	1067	275	9120	21155	31617	47600	7183	135	12	92	42	281	278	80	100790
	40	264	91	6570	17817	24742	33100	2826	68	6	60	0	134	24	34	100791
B049	0	188	97	5940	17701	23926	33900	1892	34	6	51	5	96	0	33	100798
	5	214	128	6150	19286	25778	32600	1846	28	8	51	2	88	0	28	100799
	10	250	122	5800	18735	24907	32800	2090	29	5	53	40	127	0	29	100800
	15	338	90	6580	18805	25813	34300	3262	34	5	53	62	154	2	28	100801
	20	278	97	7060	21408	28843	36100	4952	40	5	55	24	124	0	27	100802
	25	276	134	6730	25919	33059	42600	5134	44	7	55	0	106	7	25	100803
	30	272	64	6630	19753	26719	41600	5718	44	7	56	0	107	20	37	100804
G050	0	195	109	4160	9048	13512	22500	2225	53	22	43	0	118	0	49	100807
	20	392	112	6180	12113	18797	26100	6258	72	16	68	0	156	4	70	100808
	40	412	83	5010	14460	19965	28800	9398	69	15	63	47	193	13	77	100809
	60	313	149	4770	13308	18540	29300	7937	58	17	57	0	132	16	60	100810
	80	540	166	5960	16918	23584	35800	7950	73	15	77	0	165	16	92	100811
	100	633	322	6000	16498	23453	36900	8417	77	9	79	0	165	13	82	100812
G051	0	1512	516	5120	17085	24233	39100	5828	43	9	67	0	119	36	161	100813
	10	2207	602	5700	19494	28003	39700	7583	53	11	75	0	139	93	70	100814
	20	2183	429	5660	16093	24365	41200	11737	52	10	77	215	353	113	79	100815
	30	2114	385	5250	15967	23716	39500	11566	58	9	70	151	288	51	69	100816
	40	1899	389	5220	17645	25153	38200	10811	62	12	73	478	626	54	64	100817
	50	1764	195	6490	15886	24335	35600	10386	60	444	70	0	574	42	64	100818
GRAB054	10	172	84	4190	8346	12792	15300	1278	30	6	23	43	102	0	29	100805
GRAB055	10	230	67	3230	5663	9190	12200	710	26	16	25	0	67	15	20	100806
P059	0	286	99	5530	15718	21633	28900	1994	117	19	355	301	792	3462	380	100828
	5	306	56	6450	19651	26463	34400	2214	109	4	67	534	714	325	130	100829
	10	424	63	6220	24700	31407	39900	2886	125	5	69	564	763	240	51	100830
	20	506	121	6290	24716	31633	40400	3054	167	6	71	289	533	321	65	100831
	40	394	206	7580	25282	33462	42400	3076	122	10	71	0	203	156	52	100832
	60	599	173	4670	26216	31658	44500	4051	113	12	67	0	192	178	57	100833
	80	546	234	4590	22794	28164	35800	3064	106	10	60	0	176	40	51	100834
	100	793	163	4960	27702	33618	49900	3997	133	8	72	0	213	379	70	100835
	140	681	128	4840	27461	33110	42100	4059	160	6	67	1	234	303	68	100836
	150	569	99	4530	24540	29738	36200	3421	120	11	60	0	191	96	51	100837
	200	361	50	3870	18023	22304	28100	2699	180	3	51	1	235	131	74	100838
	250	293	55	3130	9660	13138	22000	1597	67	4	37	0	108	15	24	100839
	295	301	289	3500	14419	18509	38500	2049	134	12	47	2	195	264	41	100840
	350	778	135	4810	28452	34175	51800	4782	81	7	75	62	225	143	62	100841
	400	584	51	4530	21149	26314	45600	4306	190	4	70	58	322	357	96	100842
445	320	69	3770	16597	20756	28600	1800	96	1	53	63	214	27	31	100843	
T059	0	316	98	6700	16829	23943	30300	2304	86	19	167	0	272	1518	366	100819
	5	263	63	5850	23863	30039	41000	2237	129	6	68	168	371	345	144	100820
	10	426	58	5020	23961	29465	40800	2464	128	6	63	342	540	172	42	100821
	20	489	137	5210	24211	30047	39300	2501	185	8	69	544	806	341	47	100822
	40	369	158	5260	23920	29707	43600	2981	113	8	62	38	221	142	39	100823
	60	682	104	5650	27514	33950	44400	4488	128	7	69	327	531	189	50	100824
	80	614	121	6190	24847	31772	37700	4556	120	5	66	327	517	54	44	100825
	100	663	153	6130	24195	31141	39400	3797	107	5	69	519	700	111	43	100826
136	622	185	6280	26811	33898	45600	3918	115	2919	72	560	3666	238	54	100827	
G068	0	203	117	1560	5231	7111	9400	677	4	3	11	109	126	23	28	100844
B069	0	538	63	4080	18984	23665	43000	2132	26	2	43	75	145	35	29	100845
	5	400	65	3780	22898	27143	41000	2020	23	2	42	0	67	13	30	100846
	10	339	65	3590	24598	28592	34000	1791	21	2	41	0	64	0	29	100847

Core	Depth cm	Fe _{HA} μg g ⁻¹	Fe _{HA} μg g ⁻¹	Fe _{HBA} μg g ⁻¹	Fe _R μg g ⁻¹	Fe _{BDH} μg g ⁻¹	Fe _R μg g ⁻¹	Fe _{ORG} μg g ⁻¹	Mn _{HA} μg g ⁻¹	Mn _{HA} μg g ⁻¹	Mn _{HBA} μg g ⁻¹	Mn _R μg g ⁻¹	Mn _{BDH} μg g ⁻¹	Mn _R μg g ⁻¹	Mn _{ORG} μg g ⁻¹	ID
B069	15	323	77	3620	22695	26715	32100	2027	22	2	42	0	66	8	26	100848
	20	303	70	3640	12240	16253	33600	2467	21	2	42	0	65	7	26	100849
	25	297	66	3680	26408	30451	36500	2363	21	2	42	0	65	17	27	100850
	30	305	61	3550	18980	22896	37900	3235	23	2	44	0	69	12	26	100851
	35	256	78	3550	18732	22616	36000	3284	22	118	42	0	182	10	27	100852
P074	0	915	81	6630	22392	30018	40700	2125	107	7	83	0	197	65	59	100860
	10	839	17	7490	24766	33112	42100	2061	91	2	81	0	174	120	100861	
	20	539	34	4400	20023	24996	29400	731	81	4	41	0	126	3	22	100862
	40	421	18	4100	25302	29841	34100	819	129	2	55	0	186	47	33	100863
	60	333	47	3930	14319	18629	32800	697	107	6	38	0	151	27	27	100864
	80	520	123	7000	35329	42972	45000	1260	86	11	59	106	263	33	58	100865
	100	1070	33	6480	31088	38671	50000	4180	103	4	79	50	236	195	102	100866
	150	1012	40	4210	28148	33410	34900	1558	217	3	59	84	363	174	28	100867
	187	881	18	5170	27897	33966	42600	1549	112	4	59	59	234	65	39	100868
	250	628	6	1950	16940	19524	34300	962	107	2	30	27	166	0	32	100869
	300	588	2	2590	20234	23414	39900	892	71	2	33	52	158	0	22	100870
	340	628	5	1830	18801	21264	25000	812	156	2	25	35	217	0	23	100871
	400	1138	4	2760	15806	19708	23400	2802	177	2	54	31	264	18	44	100872
	450	1260	1	2730	20532	24523	28100	2620	155	3	54	70	282	18	34	100873
	493	811	2	2300	24221	27334	36400	1369	181	2	35	66	285	40	18	100874
	550	573	13	2340	32662	35588	42200	1557	72	3	35	114	224	7	22	100875
	600	583	89	2480	20125	23277	26200	3517	67	11	50	41	169	49	40	100876
	650	756	52	5880	25283	31971	45300	7844	86	5	117	120	328	421	113	100877
	700	797	36	3620	27682	32135	30500	2093	94	4	40	80	219	4	32	100878
	750	745	25	2950	22182	25902	32400	1885	110	3	35	77	225	55	24	100879
800	750	0	2540	16288	19578	27100	1640	107	0	32	52	191	42	32	100880	
T074	10	231	88	3600	10189	14108	30100	1279	55	197	91	0	343	177	161	100853
	20	303	28	4120	20882	25333	34100	1797	78	3	113	0	194	654	224	100854
	40	189	34	2520	21647	24390	32500	651	52	3	33	675	763	13	14	100855
	60	512	67	3310	20604	24493	29900	1148	78	8	56	0	142	63	30	100856
	80	791	138	6680	34214	41823	41000	2579	92	11	82	0	185	903	76	100857
	100	1007	17	6360	30650	38034	52000	2613	95	2	84	0	181	177	77	100858
140	819	61	4550	16440	21870	21900	1451	111	6	57	0	174	0	63	100859	
B076	0	408	118	3780	37905	42211	25900	2172	69	86	68	139	363	335	160	100882
	5	258	101	3440	19122	22921	21900	1762	54	105	62	21	242	183	166	100883
	10	192	70	3120	8550	11932	22300	1928	43	75	55	0	173	95	119	100884
	15	232	113	3590	21176	25111	26700	1938	61	166	89	27	343	456	212	100885
	20	239	131	4000	28757	33127	18500	1981	71	224	99	47	440	118	263	100886
	25	301	77	3070	15450	18898	21700	1659	99	84	61	11	255	248	142	100887
	30	223	87	3520	21461	25291	18000	1507	71	89	66	5	231	120	114	100888
	35	210	45	2450	19187	21892	19400	1140	77	36	46	15	173	50	52	100889
	40	227	24	1940	12349	14540	27200	643	59	4	25	0	88	53	4	100890
	45	203	33	2550	22664	25450	34800	1007	54	7	34	4	99	70	7	100891
P079	0	848	219	4000	22435	27502	37200	2762	72	13	62	137	283	112	43	100896
	5	614	60	3530	15035	19239	32800	2076	60	6	60	51	177	90	41	100897
	10	649	56	2880	11541	15126	28700	2141	64	5	58	45	171	76	40	100898
	20	844	91	4920	18179	24034	32400	2966	83	7	71	85	247	92	49	100899
	40	567	61	2660	7846	11134	15700	2133	65	6	63	41	175	0	50	100900
	54	796	63	3520	20139	24518	30400	3234	79	6	73	160	318	158	56	100901
	80	1116	223	5470	24177	30986	41500	4184	94	11	81	142	328	281	130	100902
	100	1052	177	6180	23259	30668	50200	4738	86	10	80	107	283	361	85	100903
	150	1268	171	5490	20397	27326	34700	3872	114	8	87	135	344	153	219	100904
198	1093	48	3780	14844	19765	22700	2277	114	4	62	85	265	25	56	100905	
T079	10	311	15	1980	16219	18525	27300	1469	44	3	32	115	194	52	35	100892
	20	325	15	2150	15649	18139	22000	1085	50	2	35	95	181	18	16	100893
	30	521	32	3140	21977	25670	31600	1019	65	3	46	147	261	57	21	100894
	40	834	72	2990	20311	24207	34100	1806	58	4	54	136	252	70	39	100895

Core	Depth cm	Ca _{NA} μg g ⁻¹	Ca _{HA} μg g ⁻¹	Ca _{BHA} μg g ⁻¹	Ca _R μg g ⁻¹	Ca _{POH} μg g ⁻¹	Ca _T μg g ⁻¹	Ca _{ORG} μg g ⁻¹	Cu _{NA} μg g ⁻¹	Cu _{HA} μg g ⁻¹	Cu _{BHA} μg g ⁻¹	Cu _R μg g ⁻¹	Cu _{POH} μg g ⁻¹	Cu _T μg g ⁻¹	Cu _{ORG} μg g ⁻¹	ID
GRAB002	0	20800	725	407	2147	24079	20520	20200	0.0	0.0	0.0	5	5	31	6.9	100906
	0	18800	679	471	2515	22465	15720	20000	.1	0.0	.1	18	18	25	8.1	100907
P003	30	22300	700	1137	3722	27859	29200	34893	6.6	.3	.9	23	31	28	15.3	100511
	50	17800	920	1315	3157	23192	28000	25195	5.4	.3	.8	14	20	28	11.1	100512
	70	20400	650	1152	2873	25075	26300	61795	4.6	.1	.8	12	17	25	10.2	100513
	90	19100	970	1512	3564	25146	25400	54196	3.9	.2	.7	18	23	35	13.8	100514
	100	21400	430	611	2883	25324	30700	23098	1.9	.1	.1	13	15	2	10.5	100522
	150	20000	360	641	2442	23443	37600	18199	1.2	0.0	.7	10	12	0	7.1	100523
	190	19700	340	688	2100	22828	29000	18198	1.9	0.0	.5	10	12	0	7.6	100524
	240	19200	690	1026	2050	22966	30500	17298	1.6	0.0	.6	10	12	25	6.5	100525
	290	23200	530	1358	2478	27566	38800	20798	1.6	0.0	1.3	12	15	25	5.7	100526
	320	19800	650	1197	2349	23996	31100	19298	2.0	0.0	.2	14	16	25	7.0	100527
T003	0	24300	2620	1520	3405	31845	97700	58295	5.4	1.2	7.7	9	23	35	18.4	100501
	20	23800	1110	1402	2517	28829	100700	99492	7.6	.3	2.1	9	19	23	7.4	100502
	40	25600	2360	1738	4269	33967	67100	45994	6.1	.5	1.8	15	24	37	14.9	100503
	60	23700	6170	1408	3805	35083	40400	48594	5.7	.4	.6	13	20	37	15.2	100504
	80	12800	1020	949	3238	18007	18200	14698	2.5	.7	.8	14	18	35	15.2	100505
	100	19200	940	1411	3758	25309	27200	32798	1.8	.6	.5	21	24	25	12.8	100506
	120	19200	2230	1182	3535	26147	26700	30198	1.7	.6	.5	18	21	30	14.2	100507
	140	19600	1360	1152	3674	25786	26300	23698	1.7	.7	.5	19	22	28	13.6	100508
	160	11500	640	602	2344	15086	13500	20300	.3	.7	.1	17	18	16	10.9	100509
	180	13300	750	965	2287	17302	15000	35998	2.3	.2	.3	15	18	12	10.9	100510
B006	5	26600	2110	1493	3774	33977	94400	57293	7.1	.9	7.0	10	25	35	17.0	100515
	10	27100	870	1220	3931	33121	88400	43994	5.6	.4	5.6	11	23	30	14.0	100516
	15	25600	1140	1990	3574	32304	91100	62492	7.7	.2	4.2	13	25	37	12.3	100517
	21	25700	1090	1897	3846	32533	97500	40494	6.3	.1	3.8	18	28	37	15.7	100518
	25	30100	1310	1760	4138	37308	97300	24091	8.9	.1	2.7	11	23	32	8.9	100519
	30	32600	770	1752	3403	38525	84700	22895	5.4	.2	6.3	21	32	48	22.0	100520
	35	29000	720	909	3330	33959	72800	21893	6.9	0.0	4.3	26	37	28	15.0	100521
P007	0	28100	940	1595	3344	33979	62500	26795	4.9	0.0	2.2	15	22	37	14.5	100540
	5	29100	810	1450	3638	34998	54200	24394	6.3	.2	1.5	9	17	35	8.0	100541
	10	26400	1170	1453	3413	32436	55100	32796	4.5	.2	3.4	22	30	44	14.3	100542
	20	19400	850	1553	3715	25518	35900	28594	5.8	0.0	.8	15	22	39	11.2	100543
	40	20700	400	908	2377	24385	25900	20796	4.3	.1	.2	16	21	35	8.7	100544
	60	29600	550	895	2752	33797	27700	23798	2.5	.1	.2	15	18	25	7.3	100545
	80	28700	1050	1073	3809	34632	48700	28996	4.2	.1	1.0	8	14	21	7.4	100546
	100	22000	1560	1114	7603	32277	39400	29697	3.1	.1	.2	7	11	16	6.4	100547
	150	12700	630	1292	4655	19277	34000	22398	2.0	.2	.2	12	14	18	6.5	100548
	200	11900	600	1463	5478	19441	36300	29899	1.3	.1	1.7	10	13	23	14.0	100549
	250	0	1500	1430	4265	7195	42300	25700	.4	.2	1.2	6	8	21	11.5	100550
300	24600	1360	1180	3284	30424	43200	24299	.6	0.0	5.0	44	50	83	24.3	100551	
T007	0	33100	3040	1785	3623	41548	85100	29893	6.8	.4	4.5	8	19	39	11.8	100528
	5	36100	1130	1939	2834	42003	83100	26691	9.1	0.0	4.4	7	21	44	10.3	100529
	10	33600	1910	2186	3450	41146	80400	25190	9.7	0.0	4.2	7	21	44	8.2	100530
	15	33700	990	2304	2741	39735	84600	25092	8.3	0.0	2.7	12	23	41	7.7	100531
	20	36300	600	2104	3434	42438	80800	26491	9.4	.2	2.9	11	24	41	6.4	100532
	40	33900	1240	1864	3795	40799	60700	27395	4.9	0.0	2.4	8	16	44	12.1	100533
	60	24800	1140	2015	3912	31867	37600	27295	4.7	0.0	1.6	15	21	46	11.3	100534
	80	14200	470	1142	2592	18404	24500	16595	5.4	0.0	.9	16	22	39	8.6	100535
	100	15800	610	971	2678	20059	25700	18496	4.4	0.0	.5	18	22	35	7.7	100536
	120	20100	740	1185	2825	24850	24200	24797	3.4	.3	.1	16	20	30	8.6	100537
	140	21700	750	1194	2952	26596	25100	23696	3.9	0.0	.2	17	21	30	9.1	100538
155	28000	530	1000	2984	32514	23900	23696	3.9	.2	.3	15	19	37	9.1	100539	
P009	5	22200	1590	1188	3926	28904	78500	36295	5.4	.2	11.7	16	33	39	10.1	100563
	10	30300	1000	1476	3375	36151	60900	35497	3.5	.3	5.7	7	16	28	6.1	100564
	15	26100	920	1498	2995	31513	41300	32597	3.3	.2	2.5	13	19	32	10.8	100565
	20	19700	520	1015	2890	24125	25200	22598	2.5	.1	1.0	14	17	28	6.1	100566
	40	21300	460	938	1901	24599	23200	27398	2.0	0.0	1.1	9	12	28	6.1	100567
	60	22000	420	1194	2910	26524	33900	26599	1.5	0.0	1.2	4	7	25	7.9	100568

Core	Depth cm	Ca _{NA} μg g ⁻¹	Ca _{NA} μg g ⁻¹	Ca _{NRA} μg g ⁻¹	Ca _R μg g ⁻¹	Ca _{BOH} μg g ⁻¹	Ca _T μg g ⁻¹	Ca _{ORG} μg g ⁻¹	Cu _{NA} μg g ⁻¹	Cu _{HA} μg g ⁻¹	Cu _{NRA} μg g ⁻¹	Cu _R μg g ⁻¹	Cu _{BOH} μg g ⁻¹	Cu _T μg g ⁻¹	Cu _{ORG} μg g ⁻¹	ID
P009	80	22600	590	990	1660	25840	41800	29598	1.7	0.0	1.1	2	5	21	8.0	100569
	100	21500	500	971	2914	25885	31000	23898	2.0	.1	.9	1	4	25	7.8	100570
	150	24000	520	1128	2447	28095	34700	24898	2.1	.1	.9	25	28	21	6.7	100571
	200	19500	430	1017	1921	22868	31200	22098	2.5	.1	1.1	28	32	23	6.0	100572
	250	25500	700	1105	1662	28967	41100	27899	1.4	0.0	1.2	18	21	16	5.1	100573
	300	24900	870	1029	3557	30356	38300	27199	1.0	0.0	1.2	21	23	18	4.8	100574
T009	0	25400	1230	860	3076	30566	58300	26298	2.3	0.0	1.7	13	17	23	12.4	100552
	5	25100	1070	1145	2877	30192	67000	28398	2.5	0.0	1.0	14	18	21	12.7	100553
	10	24700	2150	1224	3608	31682	93700	29195	5.4	0.0	5.0	9	19	32	10.9	100554
	15	25800	1940	1128	3255	32123	93900	29694	6.3	0.0	7.6	9	23	25	10.4	100555
	20	25500	2320	1138	3515	32473	84600	25495	4.8	0.0	9.1	10	24	25	9.4	100556
	40	28400	2120	1690	2832	35042	71500	26794	5.7	0.0	10.0	15	31	41	10.5	100557
	60	14200	770	989	2867	18826	19000	17200	.2	0.0	.8	15	16	21	8.7	100558
	80	22100	820	888	1347	25155	32000	21800	.2	0.0	.4	18	18	23	8.0	100559
	100	20300	650	843	1997	23790	29400	25897	2.6	.2	1.0	15	19	21	7.2	100560
	150	22700	740	1010	1433	25883	34600	26698	2.3	.1	.9	15	18	23	6.6	100561
	176	17600	800	763	1740	20903	20100	24199	1.4	0.0	.9	17	20	21	6.7	100562
G011	0	30000	3630	1520	2718	37868	91400	31293	6.9	.1	2.2	1	10	18	8.0	100575
	5	27700	2350	1853	2970	34873	94100	31591	8.6	.2	4.7	0	14	27	6.9	100576
	10	26200	3210	1904	3000	34314	94000	30094	6.0	.1	7.6	0	14	15	6.7	100577
	15	27200	3180	1562	2928	34870	97900	33194	5.6	.4	9.6	0	16	18	12.9	100578
	20	28700	3380	1677	5396	39153	81600	31593	7.4	1.5	16.7	0	26	92	12.3	100579
	40	27600	1280	1512	3152	33544	53200	37595	5.3	.3	6.3	9	21	113	20.2	100580
	60	23100	790	842	1861	26593	35100	25798	1.7	.1	.4	0	2	18	3.8	100581
	80	13400	340	802	2784	17326	19100	17198	1.7	.2	.5	6	8	45	5.3	100582
	94	12300	600	1099	3084	17083	21900	19097	3.3	.2	.8	5	10	59	9.2	100583
P012	0	28500	1680	950	3255	34385	57900	31197	3.4	.1	6.0	2	12	33	4.2	100591
	5	28000	710	923	2874	32507	53300	36497	3.0	0.0	1.7	1	6	27	5.9	100592
	10	22300	640	870	2978	26788	28000	24197	2.9	0.0	1.3	5	9	53	9.5	100593
	15	29200	800	1010	2883	33893	48600	36197	2.8	0.0	1.3	1	5	33	7.9	100594
	20	24900	780	966	3221	29867	32800	27697	3.2	.1	1.4	3	8	33	8.4	100595
	40	31400	860	882	3108	36250	45300	36597	3.1	.1	1.3	2	7	30	8.4	100596
	60	23400	770	876	2720	27766	56200	33695	5.4	.1	4.0	3	12	62	14.5	100597
	80	32500	1190	1116	3303	38109	28900	33093	7.0	.1	4.7	2	14	62	12.2	100598
	100	31200	980	1069	3078	36327	47700	41898	1.8	0.0	1.8	1	4	39	10.0	100599
	150	16600	580	767	3208	21155	16900	21796	4.5	.1	3.2	1	9	47	10.9	100600
	200	53200	2049	1259	3105	59613	67100	25297	3.5	.9	6.8	17	28	23	16.8	100601
250	36100	1664	982	4216	42962	50200	27298	2.3	1.0	4.4	16	24	20	9.8	100602	
300	32400	1517	986	4791	39694	46000	27098	1.6	1.4	4.8	11	18	18	10.0	100603	
T012	0	26700	2540	1231	2301	32772	83200	34094	6.0	0.0	4.2	1	11	47	8.5	100584
	0	27300	2230	1371	2711	33612	83100	36495	5.4	.3	5.3	3	14	50	8.8	100585
	10	26200	1520	967	3290	31977	60800	34697	2.8	.3	6.9	2	12	39	4.2	100586
	15	28600	1550	904	3542	34596	54100	28697	3.0	.3	6.3	2	12	33	3.5	100587
	20	29700	1270	935	3582	35487	54700	34597	2.9	.1	3.5	1	7	33	4.1	100588
	40	30800	910	984	3472	36166	52300	36999	1.5	0.0	1.7	1	4	30	8.7	100589
60	27500	1140	977	3393	33010	53200	32898	1.9	0.0	2.2	2	6	36	8.5	100590	
P013	2	27500	3459	1223	2894	35076	60300	31193	6.9	.7	7.4	11	26	43	18.6	100614
	6	25300	3838	1575	3004	33717	58500	28098	2.5	.2	9.0	17	29	44	22.7	100615
	10	28600	2345	1564	3595	36104	44400	27097	3.2	.4	4.8	21	29	46	23.5	100616
	17	22200	1499	1221	2088	27008	25400	24098	1.7	.3	5.6	30	37	51	31.7	100617
	20	27700	1866	1161	2819	33546	33300	24897	2.8	0.0	3.4	24	30	44	22.1	100618
	40	24200	1505	1099	2542	29346	26100	22998	1.9	.3	1.8	17	21	30	16.9	100619
	60	21400	1051	694	1550	24695	22200	19699	.6	0.0	.6	15	16	21	11.2	100620
	80	25000	1193	952	2521	29666	27500	21399	1.4	.1	.9	21	23	34	19.5	100621
	100	16700	1191	655	1553	20099	16300	14299	1.2	0.0	1.1	17	20	25	15.8	100622
	150	13200	1173	673	1547	16593	13300	12999	1.0	0.0	.6	19	20	32	19.6	100623
	200	26600	1499	1061	1489	30649	22700	18499	.6	0.0	.6	16	17	24	13.3	100624
	250	22600	1895	1121	1802	27418	17400	19499	.6	0.0	.4	16	17	25	12.7	100625
	300	28200	1843	1158	1735	32936	36400	25100	.4	0.0	.9	16	17	22	9.9	100626

Core	Depth cm	Ca _{NA} μg g ⁻¹	Ca _{RA} μg g ⁻¹	Ca _{HRA} μg g ⁻¹	Ca _R μg g ⁻¹	Ca _{BON} μg g ⁻¹	Ca _T μg g ⁻¹	Ca _{ORG} μg g ⁻¹	Cu _{NA} μg g ⁻¹	Cu _{RA} μg g ⁻¹	Cu _{HRA} μg g ⁻¹	Cu _R μg g ⁻¹	Cu _{BON} μg g ⁻¹	Cu _T μg g ⁻¹	Cu _{ORG} μg g ⁻¹	ID
T013	0	23400	2798	1124	2654	29976	61900	20893	6.6	0.0	6.7	8	21	40	20.9	100604
	5	22400	2575	1100	2617	28692	64700	26493	7.1	0.0	7.5	6	20	38	18.6	100605
	10	21300	2809	1201	2296	27606	59000	25096	3.9	0.0	4.9	4	13	27	11.0	100606
	15	23500	2179	1237	2537	29453	58500	26896	3.6	0.0	6.1	5	15	23	12.0	100607
	20	24300	2071	1096	2642	30109	55800	21696	3.7	0.0	4.0	6	14	30	10.7	100608
	40	27300	2726	1640	3326	34992	54100	24697	2.6	0.0	9.6	24	36	49	27.4	100609
	60	25800	2592	1560	3952	33904	45900	31298	2.5	0.0	6.0	23	31	44	20.6	100610
	77	23500	2706	1509	3492	31207	44800	28697	2.8	0.0	5.0	24	32	47	23.1	100611
	100	23300	1421	1131	1868	27720	35200	27298	1.9	0.0	1.5	18	21	39	18.7	100612
	150	19900	1244	961	2384	24489	25100	24298	2.5	.5	6.6	22	32	49	28.9	100613
	P014	0	37000	2994	1074	2206	43274	106000	41193	6.7	0.0	11.3	9	27	43	18.1	100637
5		65400	2704	1721	1412	71237	103300	42186	14.0	.3	11.5	14	40	9	15.6	100638
10		69500	3396	2854	1631	77381	110900	41494	6.5	0.0	8.1	5	20	20	10.8	100639
15		0	2858	1660	1641	6159	108700	38390	10.0	0.0	7.2	11	28	20	11.2	100640
20		53400	2406	1366	1846	59018	100600	49987	12.8	0.0	7.4	10	30	32	12.3	100641
40		59400	2659	1366	1337	64762	97800	36991	8.8	0.0	5.2	10	24	44	11.8	100642
60		50400	2152	1127	1744	55423	75000	44989	10.6	0.0	5.4	16	32	18	13.5	100643
80		78000	1926	1347	2277	83550	62200	37490	10.0	0.0	3.9	12	26	32	15.4	100644
100		57300	2166	1139	2616	63221	59700	31392	8.1	0.0	3.2	8	19	21	17.8	100645
150		69400	1429	807	1047	72683	38700	33291	9.3	0.0	2.2	17	28	43	19.8	100646
200		56400	1665	945	918	59928	44600	34896	4.3	0.0	1.1	16	21	31	14.1	100647
250		34500	1259	666	1021	37446	40200	27098	2.1	0.0	.4	15	18	37	11.9	100648
T014		0	54100	3342	1176	0	58618	103300	22394	6.0	2.4	11.7	0	20	47	18.7	100627
	5	39300	2749	1678	3180	46907	116500	29091	9.4	2.1	8.5	13	33	35	13.6	100628
	10	55600	2785	1457	2693	62535	101000	26593	6.7	2.0	6.7	12	28	24	10.9	100629
	15	34400	2695	2399	2583	42077	103800	25191	9.2	2.7	9.7	9	31	18	13.4	100630
	20	45700	2618	2130	2123	52571	107700	27589	10.6	2.8	9.5	9	31	35	9.8	100631
	40	52500	2539	1413	2291	58743	99500	34293	6.7	3.0	4.4	6	20	14	6.4	100632
	60	45500	3667	1390	1891	52448	95300	40790	9.6	.2	5.8	11	27	29	10.8	100633
	78	84500	3055	1481	2586	91622	98500	38687	12.8	0.0	13.1	20	46	50	20.7	100634
	100	61000	2570	1706	3684	68960	89600	39290	9.8	0.0	5.2	22	37	38	15.2	100635
	150	11600	2127	912	1661	16300	23400	26894	6.0	0.0	6.7	28	40	46	24.1	100636
	G021	5	49200	1501	400	556	51657	90600	37499	1.4	0.0	.2	12	14	41	14.7	100649
20		65400	1351	386	464	67601	103500	32499	1.1	0.0	.2	13	14	35	14.9	100650
40		36700	1345	357	969	39371	96200	36999	1.3	0.0	.6	18	20	52	17.5	100651
60		35600	1423	401	899	38323	95200	48999	1.1	0.0	.7	17	19	32	17.7	100652
80		31100	1461	402	913	33876	100800	49699	1.1	0.0	.9	18	20	50	15.7	100653
100		42500	1916	544	1002	45962	84800	45899	.9	0.0	.3	12	14	27	15.0	100654
120		34500	897	920	2135	38452	88000	39999	1.1	0.0	.4	9	10	44	7.5	100655
G022	0	36000	1018	524	630	38172	132200	43399	1.1	0.0	.4	18	20	56	14.0	100656
	25	33400	1052	496	933	35881	119200	39699	1.1	0.0	.1	16	17	61	16.2	100657
	50	29800	1215	389	976	32380	115800	27999	.7	0.0	.2	7	8	35	16.8	100658
	75	37900	1001	482	1523	40906	113300	35699	1.3	0.0	.4	8	10	41	13.3	100659
	125	28200	1174	802	2631	32807	88500	37699	.8	0.0	.3	6	7	38	9.1	100661
	150	35600	1433	511	1416	38960	109300	29499	.8	.4	.7	10	12	41	13.7	100660
G023	0	38700	1186	550	842	41278	96000	32099	.6	0.0	.1	9	10	58	13.2	100662
	25	34200	1378	543	861	36982	77000	28599	.8	0.0	.6	10	12	26	14.4	100663
	50	31300	1655	426	784	34165	121900	31599	.8	0.0	.4	16	17	43	16.9	100664
	75	37200	1273	385	613	39471	109800	27400	.4	0.0	.2	11	12	21	13.7	100665
	90	38500	1391	299	679	40869	117400	30499	.7	0.0	.4	11	12	15	14.5	100666
G024	5	33600	1082	598	1056	36336	115200	27899	1.0	0.0	.4	10	11	2	8.7	100667
	25	34600	1212	490	1366	37668	109000	33799	.8	0.0	.3	9	10	20	11.3	100668
	48	29500	1158	522	1960	33140	96600	27300	.1	0.0	.7	11	12	14	13.5	100669
G025	5	28800	1114	715	2293	32922	113300	31200	.2	0.0	.4	6	6	0	8.1	100670
	20	36000	1005	640	1925	39570	109400	29200	.1	0.0	.1	7	7	12	7.8	100671
	30	29500	1074	460	2491	33525	100500	32900	.1	0.0	.4	7	7	24	9.0	100672
	44	31200	998	503	2170	34871	101000	31600	.4	0.0	.4	9	10	2	8.1	100673

Core	Depth cm	Ca _{WA} μg g ⁻¹	Ca _{HA} μg g ⁻¹	Ca _{BRA} μg g ⁻¹	Ca _R μg g ⁻¹	Ca _{BOK} μg g ⁻¹	Ca _T μg g ⁻¹	Ca _{ORG} μg g ⁻¹	Cu _{WA} μg g ⁻¹	Cu _{HA} μg g ⁻¹	Cu _{BRA} μg g ⁻¹	Cu _R μg g ⁻¹	Cu _{BOK} μg g ⁻¹	Cu _T μg g ⁻¹	Cu _{ORG} μg g ⁻¹	ID
G026	0	31200	855	661	3398	36114	65900	29500	0.0	0.0	.5	2	3	11	4.8	100674
	15	28900	840	745	3529	34014	62200	31300	0.0	0.0	0.0	2	2	5	4.7	100675
	30	28500	962	1268	4372	35102	72600	35100	.5	0.0	.1	6	7	14	5.8	100676
	45	21900	858	1015	4369	28142	65900	39100	0.0	0.0	.9	1	2	29	7.1	100677
B028	0	32900	1745	940	2981	38566	116400	25199	1.4	.1	1.3	14	17	38	22.1	100678
	5	26600	1435	651	2012	30698	116100	31199	1.4	0.0	.9	10	12	56	19.7	100679
	10	24300	1679	845	4175	30999	127200	30799	1.3	0.0	1.0	13	16	43	20.8	100680
	15	26900	1554	739	3786	32979	122500	34399	1.2	0.0	.8	10	12	52	19.4	100681
	20	25600	1463	959	3622	31644	119800	27499	1.1	0.0	.8	16	18	56	20.7	100682
	25	28200	1812	831	4527	35370	123200	26099	.9	0.0	.7	19	20	43	20.8	100683
	30	31800	1973	984	4644	39401	127400	22299	.9	0.0	.9	19	21	36	21.8	100684
F029	5	29600	3830	6012	2227	41669	82200	22799	1.0	.2	.1	22	23	29	21.4	100693
	10	31700	3070	3031	2140	39941	63700	36800	.5	.3	.8	15	16	28	16.2	100694
	20	29000	2020	1268	1473	33761	47900	31700	.3	.2	.3	9	9	25	11.3	100695
	30	28400	1730	943	2008	33081	39700	27300	.5	.2	.3	7	8	26	12.2	100696
	40	30200	1670	682	1803	34355	45600	32600	.2	.2	.2	6	7	17	8.1	100697
	50	30200	1820	840	1452	34312	43900	34800	.2	.2	.3	7	7	17	7.9	100698
	60	26700	2220	1003	1787	31710	41300	31700	.3	.1	.3	8	8	20	9.9	100699
	70	27100	2240	936	1676	31952	38600	28800	.2	0.0	.2	8	8	23	9.7	100700
	80	24600	2070	1002	1914	29586	30700	25600	.4	.1	.1	8	9	24	9.3	100701
	90	24500	1980	1059	2101	29640	28800	24000	.4	0.0	.2	7	8	20	7.6	100702
	100	23800	1610	1036	1918	28364	30700	23200	.5	0.0	.2	8	8	22	8.6	100703
	110	28300	2170	1123	1737	33330	33100	26800	.3	0.0	.3	9	10	23	8.6	100704
	120	25600	1960	923	1705	30188	31300	33600	.5	0.0	.2	8	8	22	9.0	100705
	130	23400	1810	821	1815	27846	32000	22700	.3	0.0	.3	10	10	26	10.8	100706
	140	23200	1370	738	1644	26952	27100	26000	.5	0.0	.3	10	11	23	10.0	100707
	150	23700	1660	910	1890	28160	30900	16600	.3	.3	.4	9	10	23	12.7	100708
	160	23100	1470	854	1891	27315	28300	22800	.4	.2	.3	12	12	23	12.6	100709
	170	24100	1140	847	1826	27913	30000	19800	.1	.4	.4	9	10	21	11.7	100710
	180	22800	1310	855	1644	26609	29900	24400	.3	.1	.3	10	11	21	13.7	100711
	190	24200	1310	837	1944	28291	30500	20500	.2	.3	.4	9	10	25	14.1	100712
	200	21500	1170	956	1888	25514	29200	18498	1.8	0.0	.4	8	10	24	12.2	100713
	210	23600	920	993	1026	26539	32600	21199	1.2	0.0	0.0	4	5	16	7.8	100714
	220	19200	1060	933	1001	22194	30200	19099	1.1	0.0	0.0	4	5	15	7.5	100715
230	19500	880	974	1194	22548	32000	18399	1.1	0.0	.3	1	3	16	7.8	100716	
240	23200	1030	946	1383	26559	35800	20999	1.3	0.0	.3	1	3	16	7.9	100717	
250	23100	950	867	1663	26580	31300	20099	1.2	0.0	.4	2	3	9	8.0	100718	
280	20400	790	846	1135	23171	24000	19699	1.3	0.0	.2	3	5	9	7.8	100719	
290	23100	870	851	1352	26173	29000	24699	1.4	0.0	.2	4	6	7	6.6	100720	
300	20300	530	795	1334	22959	25600	19899	1.5	0.0	.5	5	7	12	8.9	100721	
F029A	79	26100	1183	718	4551	32552	130400	20999	1.0	0.0	.4	12	14	45	20.8	100691
	140	18200	1573	769	3494	24036	26200	21100	.3	0.0	.9	15	16	31	12.6	100687
	140	20500	728	523	3334	25085	27400	21599	.7	0.0	.8	8	9	27	11.6	100692
	293	21400	744	538	2952	25634	27500	21200	.3	0.0	.6	2	3	14	7.6	100690
	445	18900	680	493	2796	22869	18600	19200	.5	0.0	.7	12	13	41	9.0	100686
	445	23900	1151	584	2909	28544	31000	22000	.4	0.0	.7	1	2	25	9.1	100689
	598	20200	1211	653	2472	24536	16600	19600	.4	0.0	.2	12	13	18	9.0	100688
750	24500	910	675	3624	29709	28700	22100	.4	0.0	.8	8	10	31	8.1	100685	
T029	5	28700	5143	1260	1491	36594	85200	23498	1.8	0.0	.3	19	21	29	21.1	100722
	10	30800	3291	1573	1673	37337	86300	23299	1.5	0.0	.3	20	22	31	19.7	100723
	15	28300	3572	1439	1832	35143	85600	26899	1.3	0.0	.4	18	20	29	19.8	100724
	20	28100	3021	1502	1761	34384	86300	23699	1.2	0.0	.2	22	23	30	20.5	100725
	30	28500	1720	1245	1705	33170	79500	33299	1.1	.2	.3	19	21	28	20.2	100726
	40	31000	2120	3866	2239	39225	80500	26699	1.0	.3	.4	21	22	31	22.3	100727
50	29200	4320	4482	1817	39819	79500	33999	1.1	.3	.4	22	24	30	20.5	100728	
G034	0	26200	1245	620	2958	31023	94700	29199	.9	0.0	1.6	6	8	49	18.7	100729
	15	24600	1454	708	3090	29852	103300	27199	.9	0.0	1.4	11	13	52	15.8	100730
	30	45800	1396	688	2920	50804	101000	23800	.5	0.0	1.1	12	13	42	21.6	100731
	40	38200	1364	589	2509	42662	96500	26499	.7	0.0	1.2	8	10	49	21.0	100732

Core	Depth cm	Ca _{WA} μg g ⁻¹	Ca _{BA} μg g ⁻¹	Ca _{BBA} μg g ⁻¹	Ca _R μg g ⁻¹	Ca _{BOM} μg g ⁻¹	Ca _T μg g ⁻¹	Ca _{ORO} μg g ⁻¹	Cu _{WA} μg g ⁻¹	Cu _{BA} μg g ⁻¹	Cu _{BBA} μg g ⁻¹	Cu _R μg g ⁻¹	Cu _{BOM} μg g ⁻¹	Cu _T μg g ⁻¹	Cu _{ORO} μg g ⁻¹	ID
G035	0	36900	1144	673	3543	42260	100800	26499	.6	.1	1.1	7	9	32	15.2	100733
	25	53500	1098	733	3060	58391	91200	22699	.7	.1	1.5	9	12	31	19.5	100734
	50	31300	914	685	3059	35958	79200	25100	.4	0.0	1.4	10	11	18	14.2	100735
	75	32400	1393	524	2655	36972	80100	27400	.5	0.0	1.4	14	16	31	18.8	100736
	100	47600	1233	491	2558	51882	85400	26899	.7	0.0	1.3	12	14	38	18.4	100737
	110	30700	1280	387	2333	34700	77000	26300	.4	.4	.9	9	10	38	17.8	100738
	120	28900	1350	479	3468	34197	72400	25999	.6	0.0	.7	14	15	25	16.3	100739
G036	0	24700	1045	613	3793	30151	93500	32200	.4	.1	.6	10	11	7	12.2	100740
	25	21700	1039	496	2898	26133	81900	28500	.3	.2	.8	11	12	22	15.7	100741
	50	25500	1099	631	4357	31587	66000	30700	0.0	.1	.7	7	8	20	13.5	100742
	67	34800	942	538	3633	39913	73100	26600	.5	0.0	1.1	10	11	13	13.3	100743
G037	8	23600	879	743	4566	29788	59000	29400	.3	.3	.7	9	10	20	10.6	100744
	25	24300	1045	604	3622	29571	90000	31900	.4	.4	1.0	8	10	29	12.3	100745
	50	29400	881	663	3651	34595	73500	31300	.4	.1	.8	4	6	34	11.1	100746
	70	38800	1056	586	3274	43716	92100	27500	.5	.7	1.0	6	9	25	12.4	100747
G038	0	32100	962	755	4406	38223	76300	28500	.5	.5	1.0	4	6	36	9.2	100748
	5	33600	946	739	5102	40387	73100	31100	.5	.7	.9	5	8	27	8.1	100749
	10	28900	1086	698	3989	34673	61600	27200	.4	1.8	.5	7	10	14	8.0	100750
	15	27400	842	827	3140	32209	67200	32600	.4	1.0	.9	5	7	22	7.5	100751
	20	43900	909	606	2496	47911	71100	31299	.6	1.0	1.0	11	14	20	9.9	100752
	30	25600	1032	580	2934	30146	64900	31200	.4	1.0	.9	5	8	12	8.8	100753
F040	0	35000	1030	1126	2612	39768	102400	27298	2.4	.1	.6	18	21	25	22.4	100763
	5	36400	950	982	2783	41115	51600	30899	1.4	.1	.2	9	10	18	13.0	100764
	10	28800	860	895	1874	32430	32500	28799	1.3	.1	.5	6	8	18	11.5	100765
	20	25500	870	904	1982	29256	29800	26099	1.4	0.0	.5	7	9	12	11.5	100766
	40	26300	790	975	1934	29999	22700	24799	1.3	0.0	.5	5	7	18	11.3	100767
	60	22500	670	793	2271	26234	23000	25398	1.7	0.0	.6	13	15	7	10.3	100768
	80	19800	680	934	2485	23899	20500	23899	1.0	0.0	.7	8	9	23	10.4	100769
	100	25300	1100	815	1891	29106	21100	30399	1.0	0.0	.3	5	6	5	6.1	100770
	150	21100	620	626	1630	23976	22800	21598	1.7	0.0	.8	7	9	14	9.1	100771
	200	25300	740	872	2741	29653	26800	28499	1.5	.2	.6	13	15	16	8.0	100772
	250	21600	710	878	2111	25299	21900	25498	1.6	.1	.7	11	14	12	8.1	100773
	300	15800	510	654	1892	18856	18000	19699	1.4	.1	.5	8	10	9	7.3	100774
	360	20200	890	817	1712	23619	26100	29399	1.1	.1	.4	10	11	18	6.5	100775
	400	27000	800	1011	1890	30701	35800	21499	1.3	.3	.4	13	15	16	7.8	100776
	450	23100	520	791	1861	26272	26700	25199	1.3	.1	.4	5	7	14	7.1	100777
	500	21200	610	703	2460	24973	26100	22099	1.3	0.0	.3	9	11	12	6.8	100778
	550	24900	960	956	4082	30898	27600	24299	1.4	.1	.3	5	7	12	7.6	100779
	600	25400	960	899	2200	29459	28300	22999	1.0	.2	.3	8	9	7	7.1	100780
	650	23400	730	787	2051	26968	25000	24499	1.1	0.0	.5	6	8	9	7.6	100781
	680	23900	920	969	2349	28138	30100	28199	1.2	0.0	.3	7	9	5	7.4	100782
F040	0	31900	1480	1081	2467	36928	138000	26297	3.3	.3	.3	17	21	37	22.5	100754
	5	30800	1420	1101	2345	35666	143400	23097	3.3	.1	.3	19	23	35	22.5	100755
	10	29100	1770	1142	2203	34215	142500	24897	3.2	.2	.3	17	21	35	21.7	100756
	20	29200	1490	1138	2392	34220	133400	25597	3.3	0.0	.2	20	23	39	23.0	100757
	40	30200	1380	1002	2528	35110	124500	23997	2.6	0.0	.1	15	18	35	23.6	100758
	60	30700	1030	970	3146	35846	94500	26497	2.6	0.0	.6	14	17	32	20.4	100759
	80	33700	830	793	3461	38784	78700	28898	2.5	.1	.7	11	14	35	19.0	100760
	100	34000	830	936	2336	38102	73000	26298	2.3	.2	.6	15	18	35	17.0	100761
	100	23000	2143	1208	2419	28770	82400	36097	3.0	2.7	1.1	20	27	29	13.7	100792
	110	24100	2009	963	2444	29516	64500	34798	1.8	2.3	1.3	19	24	22	12.7	100793
	120	30100	2096	990	2520	35706	70400	21798	2.3	.2	1.2	19	23	23	13.6	100794
	130	29900	2004	1185	2227	35316	72600	23797	2.9	0.0	.9	14	18	26	12.3	100795
	138	26700	1973	889	2069	31631	62600	28698	2.0	0.0	.6	20	22	19	12.8	100796
	140	36600	780	780	3302	41462	54100	27798	1.8	.1	.3	10	12	30	15.7	100762
B044	0	22400	759	546	2162	25867	27700	28899	.7	2.4	1.5	11	15	12	10.7	100783
	5	35400	951	552	2571	39474	25300	28299	.6	2.1	1.2	8	12	14	9.2	100784
	10	20000	546	590	2968	24104	33500	27898	2.0	1.5	1.1	5	9	13	10.3	100785

Core	Depth cm	Ca _{WA} μg g ⁻¹	Ca _{RA} μg g ⁻¹	Ca _{HNA} μg g ⁻¹	Ca _R μg g ⁻¹	Ca _{BOH} μg g ⁻¹	Ca _T μg g ⁻¹	Ca _{ORG} μg g ⁻¹	Cu _{WA} μg g ⁻¹	Cu _{RA} μg g ⁻¹	Cu _{HNA} μg g ⁻¹	Cu _R μg g ⁻¹	Cu _{BOH} μg g ⁻¹	Cu _T μg g ⁻¹	Cu _{ORG} μg g ⁻¹	ID
B044	15	15900	1125	524	2670	20219	27600	24799	1.5	2.1	1.2	8	13	20	9.2	100786
	20	22200	939	552	3268	26959	30200	29499	1.3	1.8	1.6	10	15	29	11.5	100787
	25	25300	1176	645	3608	30729	36400	33098	1.9	1.9	1.5	5	10	24	12.9	100788
	30	19300	1112	619	2417	23448	42800	29599	1.4	1.9	.7	8	12	18	11.2	100789
	35	25900	1150	615	1922	29587	60600	32799	1.4	2.5	1.2	16	21	22	11.2	100790
	40	35000	1889	966	2897	40752	151400	28196	4.0	2.2	2.6	23	32	24	15.6	100791
B049	0	33200	2193	1395	2850	39638	135700	25797	3.3	0.0	1.5	21	26	27	17.8	100798
	5	35300	2553	1248	3049	42150	123100	25595	4.6	0.0	1.3	17	23	30	15.8	100799
	10	31700	1807	1474	2906	37887	110100	23697	3.4	0.0	.9	21	26	30	17.2	100800
	15	32500	1492	1108	3213	38313	108400	27596	3.7	0.0	1.3	20	25	26	18.7	100801
	20	27900	2033	1006	2770	33709	101200	26496	4.1	0.0	1.5	23	28	37	17.7	100802
	25	56400	2196	1191	3026	62813	129900	22797	3.4	.3	.8	19	23	23	18.2	100803
	30	72600	515	1337	2909	77361	112800	41596	4.2	0.0	1.1	17	22	30	17.2	100804
G050	0	45300	1647	396	241	47584	129800	35198	2.0	.1	.3	12	14	10	2.0	100807
	20	35600	982	517	299	37398	76600	44698	2.2	.5	.1	15	18	15	3.3	100808
	40	37700	1042	459	187	39388	58700	34899	1.3	.2	.7	14	16	8	4.7	100809
	60	34900	1257	471	194	36822	64900	35799	1.1	.1	.5	16	17	10	2.7	100810
	80	26800	1171	386	198	28555	56400	47599	1.4	.2	.1	10	11	16	2.8	100811
	100	27000	1136	419	189	28744	48100	40999	1.3	.2	.6	17	19	14	3.5	100812
G051	0	19800	1124	767	2276	23967	34800	24699	1.5	0.0	.3	16	18	15	5.8	100813
	10	17900	1122	874	5121	25017	22700	18300	.5	0.0	.5	13	14	16	7.9	100814
	20	11700	1098	775	4364	17937	22600	32798	1.7	0.0	.9	11	14	15	7.7	100815
	30	20700	929	790	4010	26429	23800	33699	.9	0.0	.4	9	10	17	7.1	100816
	40	17800	1213	624	3757	23394	37700	41700	.1	.4	.2	12	13	14	7.1	100817
	50	29500	1965	658	3074	35197	33000	35299	.9	.2	.5	10	12	17	5.9	100818
GRAB054	10	41500	281	249	203	42233	50900	42599	1.2	0.0	.3	7	8	2	.7	100805
GRAB055	10	25500	854	156	297	26807	27900	38899	.7	0.0	.1	5	6	1	0.0	100806
P059	0	45700	2293	1311	3108	52412	154800	38585	15.1	.4	10.6	11	37	42	16.0	100828
	5	65700	2093	1396	3803	72992	134100	26592	7.6	.4	7.1	13	28	28	13.2	100829
	10	63800	2348	1467	4046	71661	97500	26586	14.5	.2	6.4	15	36	42	15.3	100830
	20	48000	1635	1578	3384	54597	85900	34289	11.3	.4	7.0	23	42	41	16.4	100831
	40	64800	2110	1065	1654	69629	70100	30384	15.9	.5	11.1	27	54	47	24.2	100832
	60	60900	2383	1232	3193	67708	77000	29090	10.0	.2	2.8	24	37	41	15.4	100833
	80	42800	1857	1285	2156	48098	67400	31794	5.8	.5	2.6	27	36	21	7.4	100834
	100	73900	1786	972	3388	80046	73400	31091	9.0	.1	3.8	27	40	42	16.1	100835
	140	43100	1815	885	3453	49253	61600	31792	8.4	.2	4.4	25	38	32	13.2	100836
	150	53900	1973	798	2552	59223	60500	30789	11.1	.4	4.0	28	43	33	16.9	100837
	200	48800	1329	793	1053	51975	56700	30693	6.8	0.0	4.3	11	22	32	6.9	100838
	250	71400	1704	486	1043	74633	63900	30797	3.0	.5	1.6	9	14	22	0.0	100839
	295	32900	1816	616	2391	37723	73900	30598	2.1	.3	2.4	9	14	20	7.2	100840
	350	30500	1843	959	4608	37910	52300	28097	2.7	.3	1.6	16	21	35	12.8	100841
	400	50800	1687	1131	2909	56527	98200	29892	8.1	.4	2.3	21	31	37	18.1	100842
445	54300	311	1024	3577	59212	73700	33096	4.4	.4	2.7	11	19	21	6.6	100843	
T059	0	65300	2598	1272	3751	72921	125700	36891	8.6	0.0	8.3	12	29	30	10.3	100819
	5	46100	2947	1725	4506	55278	101300	29694	5.6	.2	6.8	24	36	35	16.9	100820
	10	52300	2509	3167	3747	61723	95200	31788	12.2	.1	6.6	21	40	47	15.7	100821
	20	35800	2446	1242	3418	42906	104400	25987	13.5	0.0	6.5	20	40	46	12.8	100822
	40	28500	1907	1394	1511	33312	91000	25389	11.4	0.0	6.9	18	36	48	13.0	100823
	60	29700	1981	1717	3218	36616	85900	31693	6.8	.1	2.0	24	33	37	19.9	100824
	80	49900	1374	907	2077	54258	64800	26496	4.1	0.0	2.9	21	28	31	15.1	100825
	100	57300	1726	914	3020	62960	49800	33295	5.0	.2	2.2	23	31	25	13.8	100826
	136	39600	1705	1129	3326	45760	80700	29790	9.7	.6	3.7	26	40	39	19.4	100827
G068	0	5200	1416	102	2337	9055	9900	8100	.1	.2	.7	0	1	7	2.0	100844
B069	0	11400	1529	657	5249	18835	31100	21999	.9	0.0	1.1	11	13	32	8.8	100845
	5	11200	1423	710	4441	17774	38900	25099	.6	.3	.9	12	14	29	10.1	100846
	10	11000	1286	668	3817	16771	30500	25800	.2	.1	.9	14	15	14	8.0	100847

Core	Depth cm	Ca _{NA} μg g ⁻¹	Ca _{NA} μg g ⁻¹	Ca _{HNA} μg g ⁻¹	Ca _R μg g ⁻¹	Ca _{BDM} μg g ⁻¹	Ca _T μg g ⁻¹	Ca _{ORG} μg g ⁻¹	Cu _{NA} μg g ⁻¹	Cu _{NA} μg g ⁻¹	Cu _{HNA} μg g ⁻¹	Cu _R μg g ⁻¹	Cu _{BDM} μg g ⁻¹	Cu _T μg g ⁻¹	Cu _{ORG} μg g ⁻¹	ID
B069	15	11700	1302	640	4142	17784	25600	27900	.2	.2	1.1	15	17	15	7.4	100848
	20	11900	1229	599	2684	16412	33500	25700	.1	.2	.5	0	1	18	5.4	100849
	25	13200	1271	599	3280	18350	37800	23400	.4	0.0	.9	14	16	12	5.0	100850
	30	15900	1233	656	3899	21688	39300	23695	4.6	.2	.9	12	18	14	.6	100851
	35	12400	1784	754	3659	18597	32400	24994	5.9	.6	1.0	13	20	12	0.0	100852
F074	0	22300	1805	2740	2685	29530	98800	23100	0.0	.2	1.5	11	12	19	4.9	100860
	10	27800	1847	1231	2091	32969	79900	21000	0.0	.5	2.5	5	8	15	5.0	100861
	20	32700	2591	3205	4685	43181	150300	21700	0.0	.2	2.7	3	6	16	.8	100862
	40	27900	2117	3509	5455	38981	134600	17997	2.7	.4	5.0	5	13	22	0.0	100863
	60	33900	1628	3829	4212	43569	128900	27098	2.3	.2	1.8	1	6	12	4.1	100864
	80	30300	1726	1093	6004	39123	71500	35697	2.7	.3	4.0	7	14	16	2.4	100865
	100	26600	2228	2987	1411	33226	45800	28096	4.2	.1	2.6	7	14	26	2.1	100866
	150	30700	2212	3314	2409	38635	119300	24096	4.2	.1	2.4	7	14	9	0.0	100867
	187	31300	2560	3388	4302	41550	154100	25092	7.6	.3	4.5	8	20	26	.5	100868
	250	31900	2581	2787	4627	41895	150600	30195	5.1	0.0	.9	8	14	11	0.0	100869
	300	30100	2467	3703	4931	41201	141900	25395	5.0	.2	1.3	12	19	10	0.0	100870
	340	36700	2245	4701	2482	46128	168000	23294	6.3	.2	1.0	3	11	11	0.0	100871
	400	24700	2643	3183	3141	33667	184000	26200	0.0	.1	1.4	11	13	12	3.6	100872
	450	28900	2882	2736	4346	38864	153700	25900	.5	.4	2.3	10	13	13	3.2	100873
	493	35400	2843	3811	3315	45369	170700	27900	.3	.6	2.4	8	11	22	.9	100874
	550	30100	2740	4113	3989	40942	132400	25100	.4	.3	2.6	10	14	21	.8	100875
	600	20300	1214	4081	3343	28938	59160	26600	0.0	.5	3.4	17	21	16	5.2	100876
650	14700	1900	500	239	17339	21480	19800	0.0	.3	4.0	10	14	15	8.8	100877	
700	26500	2218	2746	2100	33564	86400	24200	0.0	.3	.8	12	13	12	2.2	100878	
750	28700	2358	2607	3102	36767	99120	29100	0.0	.4	.7	17	18	18	2.6	100879	
800	32700	10	2678	3013	38401	107760	25700	0.0	.4	.8	14	15	18	11.8	100880	
T074	10	24700	2068	3687	2048	32503	210400	23794	6.1	.6	5.0	2	13	3	0.0	100853
	20	22700	1473	3659	3572	31404	178500	24798	2.0	.7	7.1	5	15	12	2.1	100854
	40	30800	1755	3026	3984	39565	135700	23300	0.0	.5	3.5	0	4	13	.3	100855
	60	28300	1478	2610	2805	35193	141600	20300	0.0	.2	1.6	3	5	23	1.2	100856
	80	26800	2022	1209	1530	31561	107100	24900	0.0	0.0	2.9	9	12	24	4.2	100857
	100	23600	1833	1052	1123	27608	73900	22100	0.0	.4	2.2	12	14	20	5.9	100858
140	28800	1822	3700	3920	38242	186100	25000	0.0	.2	1.4	4	6	13	1.9	100859	
B076	0	37500	2287	1948	3184	44919	160920	27899	1.3	.2	1.1	11	14	23	4.2	100882
	5	30400	2425	2369	1875	37069	147600	23199	1.3	.4	1.3	3	6	8	1.4	100883
	10	27000	2467	2529	1353	33349	164640	29999	1.5	.6	1.3	1	4	13	1.4	100884
	15	28500	2403	2415	2858	36176	153240	23198	1.8	.4	1.2	6	9	19	2.0	100885
	20	30500	2339	2283	2931	38053	89520	24998	1.8	.6	2.4	4	9	6	3.5	100886
	25	20600	2854	2839	1914	28207	134640	27199	.8	.3	0.0	2	3	15	1.5	100887
	30	35100	2074	2795	2346	42315	115200	28300	.3	0.0	0.0	1	1	18	.6	100888
	35	29800	2603	3114	3640	39157	109800	30100	0.0	.1	0.0	6	6	6	.2	100889
	40	36100	2281	3111	4950	46442	101520	28000	0.0	0.0	.2	6	6	15	0.0	100890
45	32900	2291	2258	3468	40917	67320	30800	.4	.1	.1	5	6	15	0.0	100891	
F079	0	35500	2529	1636	3965	43630	43440	28499	.8	.1	.4	13	14	26	6.7	100896
	5	29500	1996	2189	9668	43353	59520	39400	0.0	.3	.8	3	4	20	.6	100897
	10	33400	1836	2315	9142	46693	72360	24900	0.0	.2	0.0	9	9	18	0.0	100898
	20	34900	2192	2360	8247	47699	59520	31099	.7	0.0	.1	11	11	33	4.8	100899
	40	37900	2039	2470	9757	52166	74280	31200	0.0	0.0	.6	3	4	4	.4	100900
	54	29500	1560	2535	10141	43736	58800	28600	.3	.1	.4	7	8	32	4.4	100901
	80	20900	988	549	7240	29677	21720	16700	.3	.1	.7	13	14	32	12.2	100902
	100	25200	1363	688	7196	34447	43560	25299	.6	0.0	.4	9	10	31	11.9	100903
	150	19300	897	629	11866	32692	26400	21700	.2	0.0	0.0	13	13	9	10.1	100904
198	35200	2085	3346	10844	51475	126480	25498	2.4	.1	.1	5	8	36	8.4	100905	
T079	10	33800	2126	2939	6909	45774	62400	34600	0.0	.3	0.0	4	5	19	.5	100892
	20	38600	1941	2547	6126	49214	60720	36500	0.0	0.0	0.0	4	4	16	.7	100893
	30	34100	2203	2338	0	38641	67920	40100	0.0	.1	0.0	21	22	20	3.0	100894
	40	35800	2178	2634	5500	46112	50640	32300	.5	0.0	0.0	10	10	11	8.1	100895

Core	Depth cm	Zn _{NA} μg g ⁻¹	Zn _{BA} μg g ⁻¹	Zn _{HHA} μg g ⁻¹	Zn _T μg g ⁻¹	Zn _{SDM} μg g ⁻¹	Zn _T μg g ⁻¹	Zn _{ORG} μg g ⁻¹	Ni _{NA} μg g ⁻¹	Ni _{BA} μg g ⁻¹	Ni _{HHA} μg g ⁻¹	Ni _T μg g ⁻¹	Ni _{SDM} μg g ⁻¹	Ni _T μg g ⁻¹	Ni _{ORG} μg g ⁻¹	ID
GRAB002	0	18.4	3.8	11.9	39	73	86	0.0	3.8	1.1	6.4	12	23	30	2.8	100906
	0	27.4	0.0	9.9	55	93	114	0.0	4.8	0.0	8.3	26	39	33	2.4	100907
P003	30	9.3	4.2	21.0	60	95	99	31.2	5.8	.6	7.6	28	42	46	6.8	100511
	50	13.1	4.2	20.5	62	100	119	24.0	3.6	1.2	7.8	35	48	49	6.0	100512
	70	15.4	3.1	19.9	73	112	110	18.6	3.7	.6	7.2	22	34	47	4.9	100513
	90	9.7	1.4	19.7	75	106	110	27.7	3.7	.8	7.9	36	48	49	6.1	100514
	100	9.8	0.0	19.6	70	99	85	24.3	2.0	0.0	6.3	28	36	28	6.6	100522
	150	7.3	.7	18.6	65	91	75	19.0	2.4	0.0	6.2	35	43	23	4.1	100523
	190	7.3	0.0	16.5	72	96	99	19.9	2.1	.1	6.5	29	38	39	5.8	100524
	240	6.3	2.9	19.4	71	99	98	17.4	2.0	.2	6.1	36	44	24	5.5	100525
	290	5.4	0.0	16.4	92	113	116	18.0	1.3	.1	8.9	44	54	46	7.2	100526
	320	10.0	.4	19.3	63	93	104	17.5	2.4	0.0	6.9	13	23	20	6.3	100527
T003	0	8.2	2.3	21.7	48	80	101	35.3	1.9	11.7	11.8	25	50	45	26.1	100501
	20	3.0	1.4	17.9	49	71	86	33.0	4.1	.5	7.7	16	29	20	6.6	100502
	40	4.3	1.2	21.1	67	94	104	31.4	4.9	2.1	7.2	23	37	33	7.9	100503
	60	6.3	0.0	22.2	67	95	120	25.9	5.8	2.1	7.5	14	30	37	6.7	100504
	80	7.3	0.0	24.9	67	100	113	20.0	3.9	.5	6.7	9	20	24	7.3	100505
	100	6.5	2.0	22.0	80	111	113	26.2	3.8	.4	7.3	31	42	37	6.0	100506
	120	6.1	.6	23.1	73	103	124	23.8	2.6	.8	6.7	29	39	29	6.9	100507
	140	5.5	0.0	22.7	76	104	109	26.1	2.8	.9	7.3	35	46	53	6.2	100508
	160	5.3	0.0	18.2	69	93	97	19.6	2.1	.9	5.0	18	26	25	4.6	100509
	180	10.6	1.6	17.8	65	95	92	20.2	2.5	.5	5.9	15	24	29	4.7	100510
B006	5	11.9	1.9	20.2	58	92	100	35.8	2.8	9.7	11.6	22	46	60	23.4	100515
	10	7.4	1.1	20.5	58	87	93	35.8	2.4	2.8	10.0	16	32	41	10.8	100516
	15	7.5	.4	18.1	66	92	107	42.0	3.3	.6	8.6	26	38	41	5.7	100517
	21	8.3	3.0	21.2	63	96	106	43.2	6.9	.4	9.5	20	37	48	5.7	100518
	25	6.0	.2	20.3	68	94	111	34.9	5.6	.8	7.9	15	29	49	6.7	100519
	30	7.0	0.0	21.6	67	96	119	31.1	6.1	.4	9.2	18	33	55	8.9	100520
P007	35	6.0	0.0	21.3	61	88	99	33.6	4.4	.6	8.9	31	45	33	8.7	100521
	0	66.2	3.4	54.2	84	207	168	53.5	5.1	.3	8.4	17	31	33	6.6	100540
	5	48.1	3.4	49.3	89	190	217	45.8	4.7	.5	8.6	19	33	34	6.5	100541
	10	31.2	1.7	37.8	75	146	126	24.3	4.7	.7	8.3	24	37	34	7.0	100542
	20	52.3	5.2	46.1	86	190	210	44.0	5.8	.3	8.2	10	24	34	8.0	100543
	40	9.7	3.2	24.5	82	119	108	22.5	3.5	.2	7.5	36	47	44	7.8	100544
	60	11.3	2.8	22.6	73	110	112	21.5	1.7	0.0	6.3	34	42	34	6.6	100545
	80	8.1	.9	21.5	81	112	99	24.8	1.7	0.0	8.4	41	52	48	6.6	100546
	100	4.2	1.7	18.0	72	96	81	25.3	1.0	0.0	6.2	32	40	16	5.6	100547
	150	5.5	.5	22.4	90	118	126	23.3	2.7	0.0	7.9	39	49	37	6.8	100548
	200	3.2	.8	22.1	85	111	110	36.2	1.2	.5	8.1	38	48	38	9.7	100549
T007	250	1.8	.8	20.4	74	97	92	30.1	.5	.2	7.6	25	33	43	8.6	100550
	300	8.4	1.1	20.6	93	123	106	14.4	2.8	.4	8.0	44	55	73	9.1	100551
	0	9.4	3.3	22.2	70	105	96	31.7	1.9	4.0	9.8	21	37	45	12.7	100528
	5	7.5	.2	24.1	70	101	100	34.9	4.4	.2	9.7	23	37	33	6.7	100529
	10	8.1	2.4	22.3	62	95	81	30.0	4.3	.1	10.0	24	38	37	6.8	100530
	15	8.4	2.1	24.3	60	95	107	29.4	4.9	.6	9.3	21	36	36	6.6	100531
	20	7.7	0.0	23.9	67	99	88	30.8	4.9	1.0	9.6	16	31	36	5.8	100532
	40	8.0	3.0	23.3	80	114	111	27.2	5.7	.1	8.9	17	32	40	7.0	100533
	60	8.6	1.5	24.4	88	123	108	20.0	5.9	.4	8.9	18	33	41	7.1	100534
	80	10.6	0.0	23.3	69	103	100	13.8	2.5	0.0	7.0	14	23	26	5.5	100535
100	11.3	0.0	22.9	70	105	109	13.7	3.8	.3	7.4	18	30	42	5.2	100536	
120	7.7	2.9	21.6	74	106	92	20.7	2.3	.5	7.9	22	33	33	7.3	100537	
140	8.7	2.2	21.5	75	108	105	19.3	2.2	1.5	7.3	24	35	38	7.5	100538	
155	8.9	2.2	23.0	78	112	104	19.3	2.6	.3	6.9	27	36	38	6.8	100539	
P009	5	11.7	0.0	17.5	69	99	81	27.6	2.1	0.0	7.8	17	27	26	5.7	100563
	10	9.3	.7	18.9	65	94	95	21.7	1.4	0.0	6.5	17	25	28	5.6	100564
	15	7.3	0.0	17.3	65	89	80	21.3	2.9	0.0	7.4	23	34	32	6.5	100565
	20	6.8	1.0	16.7	83	108	94	18.1	1.8	0.0	7.8	24	33	35	7.2	100566
	40	7.4	0.0	15.9	94	117	109	17.6	2.2	0.0	8.0	24	34	39	6.7	100567
	60	6.1	0.0	15.3	96	117	105	22.7	1.7	0.0	7.0	33	41	36	7.7	100568

Core	Depth cm	Zn _{PA} μg g ⁻¹	Zn _{HA} μg g ⁻¹	Zn _{HBA} μg g ⁻¹	Zn _P μg g ⁻¹	Zn _{BOM} μg g ⁻¹	Zn _T μg g ⁻¹	Zn _{ORG} μg g ⁻¹	Ni _{HA} μg g ⁻¹	Ni _{HBA} μg g ⁻¹	Ni _{HBA} μg g ⁻¹	Ni _R μg g ⁻¹	Ni _{BOM} μg g ⁻¹	Ni _T μg g ⁻¹	Ni _{ORG} μg g ⁻¹	ID
P009	80	8.2	.8	14.1	91	114	100	18.8	1.8	.4	8.5	35	46	44	8.7	100569
	100	8.1	.1	20.0	90	118	115	17.5	2.2	.3	9.4	28	40	43	8.3	100570
	150	7.9	2.2	16.7	114	140	97	17.1	2.6	.2	8.0	40	51	48	6.8	100571
	200	9.2	2.7	19.4	96	127	105	12.6	2.3	.1	7.8	31	42	46	7.2	100572
	250	7.5	.6	16.1	101	126	93	15.2	1.9	0.0	7.8	38	48	45	6.2	100573
	300	8.2	.4	16.6	102	128	97	14.4	2.0	.2	7.7	43	53	51	7.0	100574
T009	0	12.0	2.5	12.4	81	108	99	19.3	3.7	1.8	8.9	38	52	35	7.8	100552
	5	12.9	.3	15.8	88	117	97	23.2	4.0	1.0	8.3	30	44	26	6.7	100553
	10	13.2	.2	13.3	63	90	72	23.9	3.7	.8	6.4	13	24	13	5.0	100554
	15	13.7	.1	11.5	56	81	72	20.2	3.1	1.8	7.1	14	26	15	5.7	100555
	20	13.5	.8	14.2	71	99	73	20.7	2.3	1.8	7.2	12	23	23	5.8	100556
	40	10.7	.4	14.7	80	106	77	18.4	1.7	.9	6.3	11	20	11	4.0	100557
	60	7.8	1.0	17.5	93	119	97	10.5	2.0	.5	7.5	19	29	36	7.2	100558
	80	10.3	1.0	15.1	98	124	104	13.8	2.1	.9	9.0	26	38	44	6.7	100559
	100	8.6	0.0	17.2	99	125	107	17.9	1.6	.1	7.7	37	46	28	7.7	100560
	150	8.4	2.0	16.1	111	138	117	22.5	2.0	0.0	7.5	38	47	35	6.6	100561
	176	8.6	2.4	17.1	96	124	102	19.7	1.9	0.0	7.3	23	33	35	6.7	100562
	G011	0	14.2	3.2	15.7	55	88	74	25.2	4.3	.2	7.0	20	31	31	4.4	100575
5		11.9	2.2	13.1	42	69	62	24.9	4.4	.3	7.0	8	20	35	3.8	100576
10		13.9	2.8	16.0	46	79	64	23.4	3.5	0.0	6.4	20	30	31	3.2	100577
15		14.0	3.9	12.6	60	90	77	21.3	2.1	.5	7.5	13	23	29	3.3	100578
20		12.2	.9	18.3	59	91	78	19.0	2.0	3.8	8.6	28	43	44	9.3	100579
40		10.9	.1	22.2	73	106	105	16.3	3.8	0.0	9.0	14	27	35	5.6	100580
60		8.4	.3	9.7	34	52	46	8.1	3.8	0.0	4.9	12	21	13	3.3	100581
80		8.2	0.0	15.7	87	111	113	7.2	2.8	0.0	9.4	35	47	54	6.1	100582
94		7.8	2.6	13.9	89	113	106	11.1	1.8	0.0	8.8	19	30	54	6.5	100583
P012		0	36.4	4.7	39.5	77	158	110	93.3	2.7	.6	8.8	26	39	52	4.9	100591
	5	37.1	.9	18.5	77	134	101	32.8	3.1	.8	7.2	24	35	40	5.3	100592
	10	9.1	2.0	17.0	90	118	97	15.7	2.5	.2	8.1	11	21	42	5.8	100593
	15	12.0	.4	17.7	98	128	80	17.1	3.4	0.0	8.8	31	44	54	3.7	100594
	20	9.6	0.0	17.1	78	104	81	16.9	2.6	.4	7.6	13	24	37	5.5	100595
	40	10.7	3.4	12.4	88	115	87	16.5	1.3	0.0	8.5	26	35	48	7.1	100596
	60	10.0	1.4	16.6	82	110	100	17.3	2.3	0.0	7.0	17	26	40	4.9	100597
	80	10.8	4.1	16.6	64	95	75	18.7	1.7	.6	6.3	23	31	36	6.5	100598
	100	11.8	4.3	15.3	73	105	105	21.2	1.4	0.0	7.9	31	40	49	7.0	100599
	150	7.9	1.1	17.4	78	104	106	13.8	2.9	0.0	8.1	16	27	31	7.9	100600
	200	7.2	9.0	32.9	71	120	128	12.4	2.1	.6	9.8	20	33	43	8.3	100601
	250	8.1	6.8	31.4	76	123	114	11.2	2.7	.3	11.3	35	49	45	8.1	100602
300	5.2	3.3	36.6	74	119	134	17.7	2.2	0.0	11.8	34	48	34	7.8	100603	
T012	0	15.1	2.2	12.6	40	70	63	24.1	2.8	.5	6.8	13	23	30	4.8	100584
	0	13.6	1.5	16.1	62	93	81	21.7	3.2	0.0	7.9	18	29	34	4.9	100585
	10	9.2	.6	16.9	72	99	85	15.4	2.9	.4	8.8	31	43	48	4.6	100586
	15	9.5	2.0	16.2	76	103	88	16.4	3.6	.7	8.9	20	34	49	5.4	100587
	20	9.1	1.1	15.7	78	104	86	18.8	2.8	.2	8.7	29	40	52	4.4	100588
	40	9.9	1.2	16.3	77	104	84	23.1	2.6	.3	8.4	36	48	50	5.2	100589
	60	11.7	0.0	13.9	76	101	93	23.1	3.8	.5	7.8	30	42	40	6.1	100590
P013	2	17.2	1.8	16.9	74	110	98	3.1	4.1	3.4	7.6	20	35	43	11.3	100614
	6	6.3	.9	17.9	72	98	105	7.8	3.5	.4	6.4	20	31	25	6.3	100615
	10	9.0	.8	20.8	82	112	126	10.6	4.3	0.0	7.1	16	28	40	7.1	100616
	17	8.9	2.5	22.3	92	125	112	11.8	3.7	.4	7.1	29	40	38	8.7	100617
	20	7.9	2.3	21.1	83	114	103	10.8	3.8	.4	7.7	31	42	42	7.1	100618
	40	8.3	1.9	19.7	89	119	101	8.8	2.7	0.0	7.1	21	30	32	6.1	100619
	60	8.9	1.3	17.0	69	96	102	8.3	1.8	0.0	5.4	19	26	32	5.7	100620
	80	8.0	1.8	19.0	76	105	109	15.6	2.8	.3	6.9	21	31	39	7.2	100621
	100	8.0	2.6	12.5	97	120	102	13.4	2.5	1.3	6.7	20	30	18	7.4	100622
	150	10.9	3.4	18.4	82	115	114	15.9	2.0	.2	6.3	21	30	35	8.7	100623
	200	10.9	3.1	19.5	93	127	121	15.3	2.0	.4	7.0	26	36	44	9.1	100624
	250	8.6	2.5	18.0	97	127	122	17.6	1.6	1.1	6.8	26	36	45	8.8	100625
	300	6.9	2.4	13.8	102	126	139	12.6	1.8	0.0	7.7	36	45	54	8.3	100626

Core	Depth cm	Zn _{HA} μg g ⁻¹	Zn _{HA} μg g ⁻¹	Zn _{HRA} μg g ⁻¹	Zn _P μg g ⁻¹	Zn _{BOH} μg g ⁻¹	Zn _T μg g ⁻¹	Zn _{ORG} μg g ⁻¹	Ni _{HA} μg g ⁻¹	Ni _{HA} μg g ⁻¹	Ni _{HRA} μg g ⁻¹	Ni _P μg g ⁻¹	Ni _{BOH} μg g ⁻¹	Ni _T μg g ⁻¹	Ni _{ORG} μg g ⁻¹	ID
T013	0	8.0	3.2	14.5	52	78	79	7.1	3.4	5.7	8.4	13	30	35	12.5	100604
	5	6.8	2.4	11.9	60	81	79	5.0	5.7	3.5	8.5	9	26	38	10.9	100605
	10	4.7	2.5	13.1	52	72	84	4.4	2.8	0.0	7.0	13	22	24	4.7	100606
	15	5.0	1.1	14.1	54	74	77	4.7	3.0	.5	7.5	15	26	29	5.5	100607
	20	4.8	.7	13.3	50	69	74	4.9	3.2	.1	7.3	19	29	42	5.4	100608
	40	5.0	2.0	19.1	69	95	102	5.7	3.3	.2	8.8	16	28	31	7.1	100609
	60	4.9	2.2	17.6	101	126	136	6.3	3.9	.2	7.4	33	44	36	7.0	100610
	77	4.6	1.8	17.5	82	106	108	7.6	4.1	.1	7.7	22	34	36	7.1	100611
	100	5.5	1.9	17.0	66	91	117	10.6	2.4	.9	7.0	24	34	36	7.3	100612
	150	8.2	2.3	24.9	77	112	103	14.7	3.7	.4	7.7	21	33	41	8.0	100613
	P014	0	13.3	13.9	22.4	52	101	111	14.9	3.9	8.4	12.0	35	59	52	15.3	100637
5		9.6	8.0	24.1	57	99	95	13.5	4.1	1.9	10.8	36	53	41	7.6	100638
10		8.7	13.3	19.2	57	98	100	10.2	4.2	2.2	13.6	27	47	42	7.0	100639
15		8.5	7.0	18.2	56	90	89	10.1	3.3	1.5	10.1	31	46	38	7.2	100640
20		7.3	9.1	21.1	64	102	111	9.8	2.0	1.1	12.1	38	54	45	8.6	100641
40		6.3	7.1	25.8	59	99	115	12.3	4.2	.1	8.0	40	53	46	8.0	100642
60		5.4	7.8	24.5	64	102	133	13.8	4.1	0.0	9.4	33	46	47	7.4	100643
80		6.2	10.2	23.9	76	116	120	13.1	5.6	.2	9.1	46	61	44	7.5	100644
100		6.7	4.7	30.4	70	112	107	12.6	5.1	0.0	9.4	44	59	48	7.6	100645
150		10.3	7.4	30.0	71	119	118	15.8	5.0	.7	8.0	47	61	35	6.8	100646
200		5.8	5.1	23.4	61	96	88	15.5	3.3	0.0	8.1	47	58	41	6.6	100647
250		6.4	3.3	22.2	71	103	91	16.2	2.6	0.0	6.4	49	58	32	5.4	100648
T014		0	10.5	14.1	28.7	0	53	101	10.6	3.2	10.6	10.5	0	24	56	18.2	100627
	5	6.4	13.4	27.2	48	95	100	11.0	4.3	.6	10.6	14	30	47	7.4	100628
	10	6.2	10.6	27.9	36	81	97	7.8	2.7	0.0	10.5	10	23	45	6.1	100629
	15	7.6	12.4	31.3	52	104	113	7.8	3.6	.5	11.0	35	50	31	5.9	100630
	20	6.8	9.2	30.9	48	95	107	8.5	3.8	0.0	13.8	26	43	39	5.8	100631
	40	6.6	14.4	26.9	53	101	94	5.6	3.1	.8	11.0	24	39	46	6.3	100632
	60	6.3	5.5	18.5	57	88	123	11.2	2.7	1.8	11.8	30	46	36	9.1	100633
	78	8.9	6.9	21.9	64	102	109	11.4	3.7	2.6	11.6	37	55	39	8.2	100634
	100	7.8	14.5	23.5	72	117	155	11.0	4.5	1.3	10.8	37	54	48	8.6	100635
	150	9.1	7.3	25.8	77	119	134	15.9	2.6	1.6	12.8	37	54	43	9.9	100636
	G021	5	8.7	.6	19.0	33	61	49	16.5	5.7	0.0	8.4	15	29	20	8.6	100649
20		7.6	3.0	19.1	35	65	63	16.7	4.8	0.0	6.7	19	30	26	7.9	100650
40		11.4	.8	17.2	39	68	100	11.7	7.2	0.0	5.9	10	23	28	8.0	100651
60		11.6	0.0	14.0	44	70	78	11.6	7.2	0.0	6.0	26	39	21	7.6	100652
80		10.4	.1	13.2	44	68	85	11.5	5.3	0.0	6.1	27	39	17	7.8	100653
100		9.2	.5	13.7	43	66	73	12.1	6.2	.3	7.1	22	36	18	6.8	100654
120		8.3	1.0	12.5	33	55	44	8.3	2.8	.2	6.6	17	26	5	5.5	100655
G022	0	14.4	.8	9.1	33	57	51	7.4	4.0	.4	6.1	21	31	14	7.3	100656
	25	13.7	0.0	13.6	38	65	67	9.1	6.1	.2	4.8	13	25	21	9.1	100657
	50	12.4	1.0	19.5	43	76	48	11.0	5.6	.3	7.8	4	18	16	9.2	100658
	75	9.9	1.8	13.8	36	61	70	10.5	4.7	.1	5.1	7	17	19	7.4	100659
	125	6.6	.8	11.6	35	54	43	11.4	3.5	0.0	5.7	7	16	13	5.1	100661
	150	9.1	1.3	13.0	40	64	56	14.1	4.6	0.0	8.3	6	19	16	6.5	100660
G023	0	9.3	0.0	12.7	32	54	47	12.9	5.3	0.0	9.9	5	20	25	5.7	100662
	25	11.4	0.0	10.6	36	58	39	11.2	4.6	.5	7.3	17	29	21	7.7	100663
	50	9.6	0.0	8.9	36	55	50	17.7	5.6	0.0	7.7	6	19	25	9.5	100664
	75	8.0	.8	10.7	33	52	67	14.8	5.6	0.0	7.5	11	24	7	7.2	100665
	90	8.0	.6	16.2	35	60	73	15.8	5.2	0.0	7.8	10	23	0	8.7	100666
G024	5	7.7	0.0	7.2	29	43	58	10.6	3.3	0.0	7.1	14	25	3	7.0	100667
	25	7.8	0.0	9.2	32	49	62	11.7	5.6	0.0	6.6	8	20	7	6.1	100668
	48	7.1	0.0	15.0	35	57	85	16.7	5.1	0.0	7.4	14	27	11	7.3	100669
G025	5	7.0	0.0	9.3	27	43	65	8.6	3.1	1.0	7.4	6	17	0	5.5	100670
	20	6.6	0.0	9.3	29	45	60	9.0	2.8	0.0	5.4	14	22	0	5.9	100671
	30	3.9	0.0	9.1	30	43	76	12.2	2.9	0.0	5.2	13	21	0	6.1	100672
	44	6.2	0.0	7.2	32	45	81	10.5	4.0	.1	6.6	13	24	9	5.4	100673

Core	Depth cm	Zn _{NA} μg g ⁻¹	Zn _{RA} μg g ⁻¹	Zn _{HRA} μg g ⁻¹	Zn _R μg g ⁻¹	Zn _{BDH} μg g ⁻¹	Zn _T μg g ⁻¹	Zn _{ORG} μg g ⁻¹	Ni _{NA} μg g ⁻¹	Ni _{RA} μg g ⁻¹	Ni _{HRA} μg g ⁻¹	Ni _R μg g ⁻¹	Ni _{BDH} μg g ⁻¹	Ni _T μg g ⁻¹	Ni _{ORG} μg g ⁻¹	ID
G026	0	4.7	0.0	4.2	26	35	53	14.7	1.7	.5	5.8	6	14	11	5.4	100674
	15	4.3	0.0	6.1	26	37	26	8.6	2.6	0.0	5.6	2	10	17	4.3	100675
	30	6.1	0.0	10.5	31	48	81	7.9	2.8	0.0	6.1	0	9	16	4.5	100676
	45	1.8	0.0	2.4	29	33	65	8.9	2.0	.4	4.6	0	7	14	4.9	100677
B028	0	11.3	1.5	11.5	49	73	109	13.6	5.2	.4	7.1	5	18	20	6.3	100678
	5	10.9	1.1	16.1	39	67	98	11.2	3.7	2.1	7.4	10	23	34	7.8	100679
	10	12.6	0.0	13.1	42	68	93	12.2	6.0	.2	7.4	10	23	30	6.0	100680
	15	11.6	0.0	8.9	39	60	113	13.2	4.1	1.7	7.3	14	27	32	7.8	100681
	20	11.7	.8	6.5	47	66	113	11.8	5.2	1.7	6.0	14	26	21	8.0	100682
	25	10.9	0.0	10.5	46	67	84	11.5	4.3	1.3	5.4	16	27	23	7.8	100683
	30	11.0	3.7	20.1	46	81	106	10.1	4.2	1.5	4.6	17	27	34	8.1	100684
P029	5	9.9	4.7	12.2	58	84	55	7.7	4.6	.6	7.1	11	24	24	8.7	100693
	10	6.0	4.1	16.3	66	92	72	10.5	2.4	1.0	7.3	19	30	18	8.0	100694
	20	7.7	2.9	12.3	60	83	89	10.5	1.3	0.0	6.8	21	29	32	6.9	100695
	30	11.6	2.8	13.2	87	114	95	8.3	1.6	.6	5.7	18	26	26	5.8	100696
	40	8.1	2.4	16.0	52	78	76	10.1	1.5	.5	4.9	12	19	9	5.2	100697
	50	7.5	2.5	12.6	51	73	85	9.4	1.5	.4	5.2	15	22	18	4.8	100698
	60	7.5	4.0	16.5	67	95	73	11.7	1.9	.5	5.1	12	20	30	4.8	100699
	70	6.6	5.6	18.5	48	79	96	15.4	1.4	.6	6.1	22	30	35	7.3	100700
	80	7.5	3.7	17.6	64	93	87	13.9	1.4	.9	5.6	27	35	31	7.1	100701
	90	7.6	3.2	12.8	70	94	99	11.2	1.3	.9	5.1	22	29	23	5.5	100702
	100	6.6	4.2	17.3	68	96	93	15.7	1.4	1.0	5.1	24	32	28	5.9	100703
	110	7.3	3.8	17.2	82	110	102	13.6	1.6	.8	4.9	17	24	21	4.7	100704
	120	6.2	2.8	15.7	69	94	96	14.8	.5	.1	5.5	14	20	24	6.3	100705
	130	6.1	4.4	17.3	68	96	78	16.7	1.6	.6	4.8	16	23	27	6.5	100706
	140	7.9	3.6	16.4	52	80	84	14.7	.7	.3	6.0	14	21	24	7.4	100707
	150	6.8	3.0	18.7	70	99	73	13.6	1.9	.8	6.5	19	28	31	6.6	100708
	160	6.7	1.5	18.7	80	107	91	13.6	1.8	.3	6.5	20	28	21	6.2	100709
	170	6.4	2.5	15.4	66	91	82	13.2	1.4	.2	6.4	17	25	31	6.8	100710
	180	6.8	3.7	17.1	75	102	77	14.5	1.7	.3	6.5	20	28	26	7.0	100711
	190	7.2	3.2	21.2	61	92	103	14.0	2.0	.2	6.5	23	32	20	6.6	100712
	200	6.9	2.7	19.3	95	124	119	21.0	1.7	1.2	7.6	27	37	33	7.1	100713
210	7.0	1.8	16.7	66	91	99	18.3	1.4	.3	6.1	15	22	32	5.2	100714	
220	7.3	2.5	17.5	49	77	99	17.4	.8	.5	6.2	15	22	24	6.1	100715	
230	6.7	2.1	15.5	57	81	108	18.0	1.2	0.0	5.1	23	29	22	5.1	100716	
240	6.7	2.1	15.6	44	69	83	19.7	1.3	.3	5.3	11	18	16	5.6	100717	
250	6.1	3.2	17.1	52	79	88	20.3	1.4	0.0	4.8	8	14	31	4.8	100718	
280	6.9	3.5	15.2	52	78	86	20.7	1.7	.1	5.7	19	26	19	4.5	100719	
290	6.7	2.3	16.2	41	66	81	17.8	1.2	0.0	6.1	17	24	25	4.6	100720	
300	7.6	.9	18.7	68	95	89	19.8	1.4	.1	5.6	21	28	23	6.0	100721	
P029A	79	8.9	1.5	19.1	53	83	119	9.9	5.0	2.3	6.2	16	30	29	6.2	100691
	140	8.0	0.0	23.9	71	103	134	11.4	.5	.2	4.7	26	31	30	6.6	100687
	140	10.8	2.3	20.4	70	103	68	9.2	1.0	.8	6.9	24	32	33	5.8	100692
	293	7.7	2.3	18.0	56	84	92	12.5	1.1	.2	4.2	15	20	19	4.3	100690
	445	15.0	1.8	18.8	74	110	121	7.8	1.4	.4	4.0	19	25	17	5.9	100686
	445	6.7	2.5	24.2	64	97	96	14.0	1.5	.5	7.0	21	30	26	4.2	100689
	598	6.8	0.0	24.5	62	93	109	15.1	1.7	.7	7.7	16	27	25	3.4	100688
750	7.8	1.6	19.1	70	98	140	11.1	.5	.4	4.4	21	26	23	6.4	100685	
T029	5	11.5	2.4	13.1	49	76	60	8.9	4.3	0.0	7.0	8	19	15	8.0	100722
	10	11.9	1.5	18.8	48	80	87	8.1	4.3	.3	6.9	17	29	22	7.9	100723
	15	11.0	1.5	13.6	36	62	63	7.3	4.0	.3	6.9	10	21	26	8.5	100724
	20	11.2	1.5	16.8	43	72	69	8.9	4.4	.1	7.5	13	25	28	8.2	100725
	30	9.0	3.0	12.8	49	74	55	9.3	4.7	.7	7.1	9	21	20	8.0	100726
	40	10.4	2.3	15.9	66	94	76	7.3	3.8	.6	7.5	10	22	27	8.4	100727
	50	10.3	2.1	13.0	47	73	81	10.1	4.3	.5	7.2	7	19	26	8.6	100728
G034	0	11.2	2.0	9.2	39	62	59	12.3	4.0	0.0	5.5	14	23	22	7.9	100729
	15	11.2	.8	7.7	39	59	76	11.2	5.7	0.0	6.5	11	23	36	5.7	100730
	30	11.3	.7	10.8	41	63	85	15.3	5.0	.8	4.9	15	26	24	10.5	100731
	40	9.7	0.0	11.0	42	63	86	16.4	3.5	0.0	5.2	14	22	37	11.4	100732

Core	Depth cm	Zn _{NA} μg g ⁻¹	Zn _{BA} μg g ⁻¹	Zn _{HBA} μg g ⁻¹	Zn _R μg g ⁻¹	Zn _{BOH} μg g ⁻¹	Zn _R μg g ⁻¹	Zn _{ORG} μg g ⁻¹	Ni _{NA} μg g ⁻¹	Ni _{BA} μg g ⁻¹	Ni _{HBA} μg g ⁻¹	Ni _R μg g ⁻¹	Ni _{BOH} μg g ⁻¹	Ni _R μg g ⁻¹	Ni _{ORG} μg g ⁻¹	ID
G035	0	8.8	.8	7.4	37	54	61	10.1	3.9	.2	2.1	1	8	25	8.3	100733
	25	10.8	0.0	3.0	37	51	55	14.9	4.2	1.6	4.6	1	11	28	10.3	100734
	50	9.6	1.3	11.7	37	60	79	11.1	4.2	0.0	3.6	7	15	15	6.3	100735
	75	11.5	0.0	9.2	41	62	93	14.4	3.6	1.0	3.7	13	21	30	10.0	100736
	100	11.7	0.0	4.3	42	58	109	12.2	3.5	0.0	4.7	9	17	25	9.9	100737
	110	7.7	1.8	12.8	36	58	120	15.3	4.7	1.0	6.0	10	22	30	8.5	100738
	120	7.6	0.0	12.1	44	64	98	15.2	4.9	0.0	5.7	11	22	23	7.6	100739
G036	0	7.6	0.0	9.5	35	52	63	9.1	3.5	0.0	4.7	4	13	21	6.3	100740
	25	6.6	1.4	11.1	39	58	93	13.6	3.8	0.0	4.4	4	12	16	8.7	100741
	50	6.9	0.0	12.3	40	59	82	8.8	3.5	.1	5.0	9	17	18	7.0	100742
	67	8.8	1.8	7.2	37	55	89	9.1	3.2	0.0	4.1	5	12	21	7.4	100743
G037	8	9.1	0.0	10.7	31	51	54	7.7	3.2	0.0	4.3	0	8	25	6.2	100744
	25	7.4	0.0	10.2	31	48	49	9.2	4.1	0.0	4.2	0	8	36	6.8	100745
	50	7.1	0.0	9.6	33	50	51	9.5	2.0	0.0	4.5	0	7	21	8.3	100746
	70	4.5	0.0	6.7	33	44	39	12.4	4.9	.7	4.0	0	10	32	6.7	100747
G038	0	2.1	0.0	5.3	29	36	39	10.7	4.0	1.1	4.8	0	10	18	5.4	100748
	5	1.1	0.0	6.6	30	38	35	13.5	3.9	1.3	3.6	0	9	21	4.7	100749
	10	2.8	0.0	6.9	29	39	49	12.3	2.0	.3	4.2	0	7	13	6.6	100750
	15	2.8	0.0	9.1	31	43	26	11.5	2.9	0.0	2.2	4	9	21	5.4	100751
	20	4.4	0.0	9.5	33	47	43	10.8	4.3	1.5	2.8	13	21	23	5.5	100752
	30	2.4	0.0	5.2	33	40	68	13.3	3.4	0.0	2.0	7	12	22	5.1	100753
P040	0	14.3	0.0	21.2	54	90	98	25.6	4.4	.8	7.8	10	23	33	9.5	100763
	5	7.8	1.0	17.2	56	82	85	19.4	2.0	.8	7.0	8	18	29	7.0	100764
	10	8.9	1.0	17.5	67	94	93	18.9	1.9	.4	6.7	11	20	37	8.1	100765
	20	7.4	0.0	17.4	63	88	98	19.3	1.3	1.2	7.1	2	11	25	6.9	100766
	40	8.0	.3	18.0	67	94	97	17.5	1.6	.8	6.1	18	26	32	6.7	100767
	60	9.7	.5	18.0	70	98	101	13.1	1.1	.6	5.9	23	30	27	6.6	100768
	80	7.3	0.0	20.1	67	94	97	17.6	1.3	.3	7.0	10	19	34	6.6	100769
	100	5.0	0.0	16.2	46	68	78	14.5	.9	.5	4.8	13	19	18	5.2	100770
	150	6.8	1.4	18.1	67	93	108	19.0	1.4	.6	6.0	25	33	29	6.5	100771
	200	7.4	1.1	14.0	49	72	88	19.6	1.2	0.0	6.2	13	21	28	6.9	100772
	250	6.9	1.1	14.6	69	92	91	19.1	0.0	.2	6.8	26	33	23	7.5	100773
	300	7.1	2.9	14.6	60	85	87	17.4	.6	.5	6.5	15	22	15	6.7	100774
	360	5.7	1.3	15.5	63	85	97	20.5	.4	.2	6.6	19	26	21	6.4	100775
	400	5.8	1.2	13.1	70	91	108	20.3	.8	.3	6.9	33	41	34	7.1	100776
	450	7.9	0.0	15.2	63	86	111	20.1	.6	.1	6.0	15	22	30	6.9	100777
	500	7.3	.1	14.3	60	82	99	18.3	1.3	0.0	5.6	17	24	20	6.2	100778
	550	10.0	.7	16.3	65	92	93	20.0	.9	.7	5.9	18	26	10	7.7	100779
600	7.9	1.3	14.2	59	83	82	18.9	.5	.1	5.9	26	33	20	6.9	100780	
650	6.1	1.4	16.6	58	82	98	19.3	1.3	0.0	4.9	16	22	14	4.8	100781	
680	7.1	.6	16.3	49	73	92	18.2	1.4	.3	5.1	15	22	28	5.5	100782	
T040	0	11.8	1.4	17.2	41	71	95	27.7	4.3	0.0	6.7	14	25	36	8.6	100754
	5	12.1	1.9	15.4	36	66	95	25.0	4.4	0.0	7.0	15	26	38	9.2	100755
	10	10.9	2.0	15.6	31	59	80	25.5	4.1	0.0	6.6	6	16	32	9.1	100756
	20	11.8	1.9	17.0	41	71	83	24.1	4.2	.1	7.0	20	32	28	9.9	100757
	40	10.1	.4	17.5	40	68	83	23.8	4.1	0.0	7.5	16	28	36	8.1	100758
	60	8.7	2.3	19.4	45	75	103	22.5	4.1	.5	7.1	18	29	36	6.6	100759
	80	10.1	1.6	19.8	50	81	94	18.5	3.2	0.0	6.3	15	25	35	8.1	100760
	100	9.1	1.9	19.0	51	81	105	17.4	2.6	.4	7.1	15	25	27	7.3	100761
	100	40.1	0.0	21.0	50	111	70	0.0	4.0	1.2	7.0	18	30	28	6.1	100792
	110	35.9	.1	11.2	46	93	70	0.0	3.6	0.0	6.0	13	23	33	5.7	100793
	120	38.2	0.0	23.5	48	110	88	0.0	4.5	0.0	6.9	16	28	33	4.8	100794
	130	39.8	.5	20.2	50	111	86	0.0	4.1	0.0	6.7	14	25	34	5.1	100795
	138	36.1	0.0	20.3	52	109	102	0.0	4.3	0.0	6.1	18	29	35	6.0	100796
	140	9.0	3.0	16.8	60	89	112	17.3	3.0	0.0	6.4	11	20	38	6.0	100762
B044	0	6.1	0.0	17.0	66	89	88	15.4	2.2	1.7	5.6	29	39	36	6.3	100783
	5	3.6	.2	14.7	65	84	97	18.0	2.8	1.4	5.7	23	33	43	4.4	100784
	10	33.7	0.0	14.9	55	103	104	0.0	1.9	.8	7.4	19	29	48	5.6	100785

Core	Depth cm	Zn _{WA} μg g ⁻¹	Zn _{HA} μg g ⁻¹	Zn _{BHA} μg g ⁻¹	Zn _R μg g ⁻¹	Zn _{BDH} μg g ⁻¹	Zn _T μg g ⁻¹	Zn _{ORG} μg g ⁻¹	Ni _{WA} μg g ⁻¹	Ni _{HA} μg g ⁻¹	Ni _{BHA} μg g ⁻¹	Ni _R μg g ⁻¹	Ni _{BDH} μg g ⁻¹	Ni _T μg g ⁻¹	Ni _{ORG} μg g ⁻¹	ID
B044	15	25.4	0.0	18.4	63	106	100	0.0	.3	1.1	5.2	26	33	45	7.8	100786
	20	26.1	0.0	11.4	62	99	100	0.0	1.4	.8	6.9	19	28	30	7.5	100787
	25	33.1	1.3	16.1	60	111	87	0.0	2.1	.4	6.0	19	28	33	6.2	100788
	30	28.2	1.4	8.5	54	93	91	0.0	1.9	.6	5.6	19	27	33	6.0	100789
	35	28.9	0.0	17.9	54	101	92	0.0	1.1	.6	6.8	19	28	28	7.8	100790
	40	58.1	.9	15.2	43	118	76	0.0	2.8	.2	5.7	19	28	39	6.3	100791
B049	0	62.9	0.0	22.9	46	132	143	0.0	3.5	0.0	6.8	13	23	35	5.9	100798
	5	62.7	.8	18.7	46	129	108	0.0	4.7	0.0	7.5	12	24	35	5.3	100799
	10	57.8	1.2	15.0	47	121	117	0.0	5.2	0.0	8.5	12	26	41	5.7	100800
	15	54.2	.4	15.5	46	117	93	0.0	5.8	.6	7.4	17	30	39	4.8	100801
	20	54.8	3.4	15.1	51	124	90	0.0	5.8	0.0	7.8	19	33	43	7.4	100802
	25	58.1	2.2	22.8	53	137	128	0.0	7.1	0.0	8.3	18	33	40	4.8	100803
	30	52.5	4.3	21.1	47	125	109	0.0	7.0	0.0	9.2	16	32	38	5.3	100804
G050	0	40.7	5.3	11.3	19	76	26	0.0	3.2	0.0	5.0	2	10	11	1.5	100807
	20	42.7	.5	12.0	26	81	48	0.0	3.4	0.0	4.5	4	12	13	1.9	100808
	40	35.2	0.0	13.5	31	80	45	0.0	2.9	0.0	5.7	13	21	21	3.4	100809
	60	33.5	0.0	10.7	30	74	38	0.0	2.0	0.0	4.4	8	15	9	2.7	100810
	80	27.9	1.4	14.4	34	77	48	0.0	3.0	0.0	5.3	13	21	24	2.5	100811
	100	29.5	0.0	12.9	34	76	62	0.0	2.4	0.0	5.5	16	24	24	3.2	100812
G051	0	26.2	0.0	14.7	48	89	75	0.0	2.8	0.0	6.5	13	22	22	3.9	100813
	10	22.1	0.0	16.3	55	93	87	0.0	2.5	0.0	6.6	14	23	23	5.4	100814
	20	21.6	0.0	13.8	47	82	88	0.0	2.1	0.0	5.7	9	17	32	5.2	100815
	30	24.5	0.0	13.0	45	82	78	0.0	1.8	0.0	5.7	12	20	24	6.1	100816
	40	22.2	1.2	12.8	46	82	86	0.0	1.8	.7	5.5	14	22	27	5.3	100817
	50	25.5	0.0	13.5	43	82	70	0.0	2.6	2.9	6.9	6	18	24	2.8	100818
GRAB054	10	24.2	2.1	8.1	13	48	30	0.0	2.9	0.0	2.4	0	5	14	.8	100805
GRAB055	10	17.8	2.4	7.2	11	39	3	0.0	1.8	0.0	4.9	0	7	0	.9	100806
P059	0	70.0	.2	13.9	38	122	61	0.0	3.4	0.0	8.5	13	25	24	8.7	100828
	5	59.1	0.0	12.5	47	118	77	0.0	2.2	0.0	7.2	15	24	22	3.2	100829
	10	48.0	0.0	18.1	58	124	103	0.0	3.8	.5	8.4	18	31	33	4.7	100830
	20	50.9	.7	14.8	58	125	103	0.0	4.5	0.0	9.8	18	33	46	6.9	100831
	40	43.1	2.9	25.4	64	135	99	0.0	4.5	.7	9.9	24	39	35	7.7	100832
	60	44.9	.3	15.9	67	128	107	0.0	2.8	0.0	8.1	26	37	50	8.8	100833
	80	33.5	0.0	12.4	58	104	97	0.0	2.5	0.0	7.4	7	17	37	6.9	100834
	100	41.2	4.4	17.7	70	134	147	0.0	3.3	.3	9.9	33	46	44	8.7	100835
	140	41.4	4.1	18.8	71	135	127	0.0	3.6	2.0	6.6	19	32	43	5.0	100836
	150	38.5	3.2	17.3	61	120	96	0.0	2.7	1.2	9.0	21	34	29	7.8	100837
	200	32.1	1.9	12.9	48	95	94	0.0	2.0	.4	6.4	15	24	19	7.5	100838
	250	33.0	3.0	11.4	27	74	75	0.0	3.4	.8	3.2	8	15	1	2.2	100839
	295	30.3	4.7	12.8	41	89	84	0.0	3.1	1.9	6.5	7	18	12	4.7	100840
	350	25.4	1.5	15.5	56	98	99	0.0	3.8	2.0	9.7	24	39	27	8.0	100841
	400	43.5	.7	14.7	54	113	94	0.0	5.7	0.0	7.0	29	42	36	8.1	100842
445	35.3	3.5	16.1	39	94	59	0.0	3.3	.3	5.5	14	23	9	4.1	100843	
T059	0	70.4	1.5	17.0	42	131	73	0.0	3.5	1.4	8.9	9	23	34	6.3	100819
	5	54.8	1.7	17.7	58	132	83	0.0	2.7	.3	9.0	21	33	48	3.6	100820
	10	50.5	2.6	20.4	60	134	93	0.0	4.6	0.0	8.9	19	32	49	5.6	100821
	20	52.0	0.0	18.8	58	129	97	0.0	3.8	.7	9.6	15	29	43	4.5	100822
	40	42.6	0.0	22.2	60	124	99	0.0	2.7	1.1	8.7	22	34	50	5.0	100823
	60	40.6	.6	19.7	67	128	109	0.0	4.2	1.2	8.9	26	40	39	7.0	100824
	80	36.3	.6	19.4	58	114	81	0.0	3.0	.2	8.9	19	31	37	6.0	100825
	100	32.5	1.5	20.9	61	116	83	0.0	2.8	0.0	7.4	20	30	23	4.6	100826
	136	48.1	0.0	22.3	65	135	95	0.0	4.5	4.2	7.6	23	39	43	5.4	100827
G068	0	56.0	0.0	4.8	11	72	65	9.1	.7	1.6	2.2	0	5	0	4.2	100844
B069	0	16.0	0.0	9.7	47	73	89	0.0	4.6	0.0	5.8	11	21	21	6.3	100845
	5	13.4	0.0	16.2	48	78	71	0.0	3.1	0.0	6.1	17	26	17	7.8	100846
	10	14.3	.5	9.3	41	66	34	0.0	3.3	0.0	6.9	12	22	27	7.0	100847

Core	Depth cm	Zn _{NA} μg g ⁻¹	Zn _{HA} μg g ⁻¹	Zn _{BHA} μg g ⁻¹	Zn _R μg g ⁻¹	Zn _{BDH} μg g ⁻¹	Zn _P μg g ⁻¹	Zn _{ORG} μg g ⁻¹	Ni _{NA} μg g ⁻¹	Ni _{HA} μg g ⁻¹	Ni _{BHA} μg g ⁻¹	Ni _R μg g ⁻¹	Ni _{BDH} μg g ⁻¹	Ni _T μg g ⁻¹	Ni _{ORG} μg g ⁻¹	ID
B069	15	16.4	0.0	11.9	40	68	50	0.0	3.1	.4	7.3	6	17	29	6.9	100848
	20	14.3	0.0	12.3	17	44	53	0.0	2.7	0.0	6.5	1	10	29	6.7	100849
	25	17.8	0.0	10.7	42	70	58	0.0	4.3	0.0	7.4	11	23	20	5.1	100850
	30	18.6	0.0	14.2	41	74	52	0.0	4.3	0.0	14.2	11	30	28	4.8	100851
	35	16.7	0.0	9.0	42	67	67	0.0	5.0	1.1	8.0	11	25	31	4.2	100852
P074	0	32.0	2.0	10.8	50	95	55	0.0	2.1	0.0	7.3	30	39	29	2.9	100860
	10	41.5	0.0	15.2	43	100	65	0.0	1.2	0.0	8.4	13	23	41	4.2	100861
	20	45.5	2.1	11.5	31	91	46	0.0	1.7	0.0	3.6	7	12	17	1.0	100862
	40	40.1	0.0	13.4	44	98	62	0.0	1.6	0.0	5.0	19	26	24	2.2	100863
	60	45.0	0.0	9.7	31	86	40	0.0	.9	0.0	3.2	1	5	18	3.4	100864
	80	28.1	5.0	15.0	55	104	83	0.0	0.0	0.0	6.1	18	25	20	6.4	100865
	100	18.9	0.0	15.2	59	93	77	0.0	1.9	0.0	6.9	22	31	31	8.6	100866
	150	46.9	2.1	14.7	47	110	82	0.0	1.1	0.0	5.2	15	21	19	5.9	100867
	187	44.1	2.0	12.5	51	110	76	0.0	2.5	.2	7.8	18	28	33	4.7	100868
	250	47.6	4.9	15.0	43	111	61	0.0	1.0	0.0	4.0	12	17	17	5.1	100869
	300	36.5	2.7	9.7	48	97	51	0.0	.7	0.0	3.7	8	12	18	9.7	100870
	340	58.1	0.0	14.5	24	96	55	0.0	.4	0.0	0.0	0	0	11	6.4	100871
	400	47.9	.3	12.4	28	88	61	0.0	4.6	0.0	2.3	6	13	20	4.5	100872
	450	48.1	2.0	9.6	34	94	71	0.0	3.7	0.0	2.2	12	18	15	1.8	100873
	493	51.2	.4	14.7	41	107	42	0.0	2.9	0.0	3.5	6	13	28	2.3	100874
	550	44.6	0.0	10.2	55	110	78	0.0	1.7	.3	4.3	12	19	34	2.4	100875
	600	24.8	0.0	13.6	38	76	42	0.0	3.4	.6	1.9	15	21	26	5.2	100876
650	17.7	4.0	11.9	51	84	83	4.8	3.6	1.2	4.3	16	25	28	5.2	100877	
700	41.6	4.8	15.5	54	116	91	0.0	2.6	.6	9.5	19	32	34	4.2	100878	
750	41.3	5.7	16.1	48	111	25	0.0	2.7	0.0	7.6	11	21	27	2.1	100879	
800	40.2	2.6	13.7	40	97	61	0.0	2.8	.1	6.9	13	23	26	.7	100880	
T074	10	90.0	0.0	12.9	20	123	38	0.0	4.2	3.3	6.8	4	19	21	1.7	100853
	20	64.8	0.0	11.6	46	122	64	0.0	3.9	0.0	8.0	15	27	26	4.2	100854
	40	34.2	2.3	8.3	25	70	30	0.0	.6	0.0	4.9	12	18	14	3.2	100855
	60	43.1	0.0	6.2	29	78	59	0.0	1.3	0.0	3.3	11	16	30	1.2	100856
	80	23.5	.6	12.1	57	93	57	0.0	1.8	.5	7.1	18	27	35	4.7	100857
	100	24.6	0.0	15.3	55	95	83	0.0	2.7	0.0	7.8	26	36	35	4.8	100858
140	48.2	0.0	11.4	24	84	35	0.0	1.8	0.0	3.0	8	13	20	1.9	100859	
B076	0	80.9	4.3	14.5	59	158	49	0.0	3.5	0.0	7.3	13	24	30	2.0	100882
	5	74.5	0.0	16.3	30	121	68	0.0	3.9	.5	7.3	8	20	31	2.0	100883
	10	99.3	.4	12.1	15	127	81	0.0	3.1	0.0	4.4	1	9	28	2.2	100884
	15	81.5	.5	12.5	34	128	45	0.0	3.6	1.2	8.6	6	19	39	4.2	100885
	20	74.9	0.0	12.5	48	135	48	0.0	2.7	2.2	9.2	10	24	18	5.9	100886
	25	70.3	8.0	13.8	24	116	44	0.0	4.4	.5	5.6	5	15	21	1.2	100887
	30	52.5	1.0	13.6	33	100	69	0.0	3.4	1.6	4.9	8	18	24	1.5	100888
	35	42.5	1.6	11.7	29	85	72	0.0	2.7	0.0	2.6	1	6	21	2.5	100889
	40	41.3	.7	10.7	26	79	36	0.0	2.5	.8	3.5	1	7	24	0.0	100890
45	37.2	6.7	12.7	39	95	58	0.0	.5	0.0	4.1	3	8	24	2.7	100891	
P079	0	36.8	2.2	16.8	52	108	95	0.0	.8	.9	7.9	25	34	40	5.3	100896
	5	33.2	0.0	8.3	34	76	65	0.0	1.5	.3	5.3	18	25	27	2.5	100897
	10	33.0	4.6	6.8	25	70	23	0.0	0.0	0.0	5.6	0	6	17	4.0	100898
	20	36.5	0.0	15.2	45	97	60	0.0	1.4	0.0	8.9	22	32	31	4.4	100899
	40	34.6	0.0	8.5	18	61	20	0.0	0.0	.1	2.8	7	10	12	2.3	100900
	54	32.9	2.3	7.1	32	74	121	0.0	4.0	1.1	5.6	2	13	32	.5	100901
	80	16.6	0.0	12.8	60	89	93	1.4	3.5	.4	11.0	33	48	45	6.2	100902
	100	24.1	.2	14.7	57	96	110	0.0	3.5	.8	6.9	31	42	23	3.8	100903
	150	23.3	0.0	15.1	55	94	113	0.0	3.6	2.3	10.7	21	38	30	5.7	100904
198	63.3	2.8	10.4	35	111	47	0.0	3.7	0.0	6.1	12	22	23	1.5	100905	
T079	10	37.3	3.8	12.2	32	85	62	0.0	1.2	0.0	2.5	13	17	29	2.7	100892
	20	39.2	0.0	12.5	36	88	43	0.0	.5	0.0	5.1	9	15	29	3.0	100893
	30	45.1	2.5	17.8	51	116	70	0.0	3.6	.5	8.7	26	39	49	2.0	100894
	40	35.0	.5	17.2	49	102	81	0.0	2.7	0.0	5.8	19	27	44	3.1	100895

Core	Depth cm	Cr _{NA} μgg ⁻¹	Cr _{HA} μgg ⁻¹	Cr _{HNA} μgg ⁻¹	Cr _T μgg ⁻¹	Cr _{BUN} μgg ⁻¹	Cr _T μgg ⁻¹	Cr _{ORG} μgg ⁻¹	Pb _{NA} μgg ⁻¹	Pb _{HA} μgg ⁻¹	Pb _{HNA} μgg ⁻¹	Pb _R μgg ⁻¹	Pb _{BUN} μgg ⁻¹	Pb _T μgg ⁻¹	Pb _{ORG} μgg ⁻¹	ID
GRAB002	0	.2	0.0	14.5	30	44	84	4.6	5.0	.4	1.8	0	7	0	.1	100906
	0	1.4	2.6	13.8	45	62	121	4.0	3.0	.3	2.1	0	5	4	2.2	100907
P003	30	2.7	2.9	6.8	74	86	212	4.8	3.6	.2	1.9	0	6	4	3.0	100511
	50	1.9	7.2	5.8	0	15	207	7.0	4.6	1.5	2.4	0	9	0	2.5	100512
	70	2.1	2.8	4.7	6	15	204	6.6	3.8	.7	1.7	0	6	5	3.8	100513
	90	3.1	0.0	2.8	30	36	230	4.0	5.1	1.3	2.1	0	9	9	2.9	100514
	100	.7	6.9	10.2	141	159	4	6.5	1.7	0.0	.2	0	2	3	3.9	100522
	150	1.1	0.0	9.0	106	116	20	4.9	2.6	0.0	.6	0	3	10	2.5	100523
	190	.6	0.0	6.6	114	121	4	3.5	1.7	1.5	1.5	0	5	2	3.9	100524
	240	2.0	0.0	4.3	141	147	156	3.2	3.2	0.0	1.2	0	4	1	3.4	100525
	290	.3	0.0	6.7	59	66	368	3.9	1.5	1.0	1.1	0	4	0	4.7	100526
	320	.6	0.0	6.0	68	75	212	4.0	2.1	1.1	.8	0	4	0	3.5	100527
	T003	0	4.9	0.0	4.7	96	106	127	8.5	1.3	2.1	4.8	0	8	9	7.1	100501
20		3.0	5.6	7.3	48	64	115	11.1	3.6	.8	1.5	0	6	0	2.3	100502
40		4.7	2.1	4.0	128	139	177	9.5	4.8	.7	1.5	0	7	0	2.1	100503
60		3.1	45.2	5.5	14	68	148	11.4	4.3	1.2	1.9	0	7	4	2.7	100504
80		1.0	9.0	3.2	168	181	112	12.3	3.4	1.4	1.9	0	7	0	3.1	100505
100		3.2	5.7	5.9	129	143	192	9.9	4.1	1.1	2.1	0	7	9	1.3	100506
120		1.5	29.7	8.9	101	141	212	11.4	3.3	.3	2.2	0	6	0	3.2	100507
140		2.2	40.4	5.3	20	68	239	12.5	4.0	.7	1.4	0	6	0	1.8	100508
160		2.1	41.4	7.8	38	89	148	9.1	2.6	1.6	1.7	0	6	0	.8	100509
180		1.1	0.0	5.4	102	109	133	4.2	3.3	1.1	2.0	0	6	0	2.3	100510
B006		5	4.4	0.0	1.8	64	70	145	4.7	.5	2.1	5.1	0	8	12	8.5
	10	4.3	0.0	2.7	53	60	215	1.4	0.0	1.2	3.4	0	5	10	7.4	100516
	15	7.1	.6	3.2	101	112	106	.2	5.1	.2	1.4	0	7	4	1.5	100517
	21	5.8	0.0	1.7	14	22	150	1.4	6.8	.6	2.0	0	9	6	1.2	100518
	25	3.4	0.0	13.8	91	108	127	3.8	3.7	0.0	1.5	0	5	3	3.7	100519
	30	2.5	10.1	14.7	65	93	148	6.5	3.6	.6	1.2	0	5	0	3.3	100520
	35	2.4	2.5	11.4	70	86	120	4.3	4.7	.9	.8	0	6	10	3.4	100521
P007	0	5.3	0.0	4.1	96	105	88	.2	3.3	0.0	2.0	0	5	0	2.6	100540
	5	8.0	0.0	4.3	69	81	96	.2	3.5	.6	3.8	0	8	1	2.8	100541
	10	10.5	0.0	2.5	67	80	120	0.0	4.9	.7	1.3	0	7	3	2.4	100542
	20	8.2	4.9	8.8	96	118	240	0.0	4.3	.7	1.6	0	7	0	2.4	100543
	40	12.5	0.0	3.1	53	68	312	6.2	4.3	.4	1.6	0	6	0	2.1	100544
	60	7.5	3.4	6.4	89	107	180	.5	4.6	0.0	1.7	0	6	0	1.2	100545
	80	10.1	.4	6.7	84	102	268	0.0	6.9	.4	1.8	0	9	3	.8	100546
	100	10.2	2.4	4.7	79	97	104	0.0	3.4	.8	.8	0	5	0	1.5	100547
	150	10.8	0.0	4.3	84	100	248	0.0	2.9	0.0	1.2	0	4	0	3.3	100548
	200	8.0	0.0	11.7	120	140	272	0.0	3.8	0.0	1.6	0	5	0	2.6	100549
	250	11.2	0.0	2.7	58	72	208	0.0	2.2	.1	.3	0	3	0	2.1	100550
300	4.4	1.1	5.7	99	111	264	2.3	5.8	.9	3.0	0	10	0	2.7	100551	
T007	0	5.6	0.0	4.2	54	64	116	1.0	.9	.7	3.8	0	5	0	5.1	100528
	5	6.2	0.0	5.6	39	51	192	2.5	5.6	0.0	1.4	0	7	0	.9	100529
	10	4.5	2.7	8.7	28	44	124	2.7	5.4	0.0	.9	0	6	0	1.1	100530
	15	6.1	0.0	7.3	18	31	192	0.0	6.0	1.1	0.0	0	7	0	0.0	100531
	20	6.3	0.0	5.4	59	71	148	0.0	5.7	0.0	.4	0	6	0	0.0	100532
	40	5.4	1.4	3.2	52	62	200	.1	5.7	0.0	1.4	0	7	0	.5	100533
	60	4.5	.3	5.5	98	108	140	.2	5.0	0.0	1.0	0	6	12	.8	100534
	80	4.9	0.0	3.1	66	74	60	0.0	3.6	0.0	.9	0	5	10	1.3	100535
	100	2.8	0.0	4.4	96	103	100	2.1	3.8	0.0	2.2	0	6	3	2.9	100536
	120	3.6	.1	7.8	88	100	112	2.0	4.1	.2	2.0	0	6	13	2.6	100537
	140	4.1	.4	6.0	114	124	128	0.0	3.8	.6	1.8	0	6	8	3.1	100538
	155	1.9	.1	10.6	70	82	156	5.3	3.1	.8	1.9	0	6	0	3.1	100539
	P009	5	8.8	5.4	7.7	23	45	204	1.0	0.0	.7	2.2	0	3	2	6.0
10		8.3	11.0	4.9	44	68	280	.3	1.4	.8	2.1	2	6	1	5.4	100564
15		11.3	6.6	7.1	35	60	304	0.0	3.7	1.4	1.3	0	6	0	3.5	100565
20		5.4	13.9	6.4	33	59	344	6.6	3.7	.6	2.5	0	7	1	3.2	100566
40		6.8	11.8	6.6	112	138	400	6.0	3.8	.9	2.4	0	7	8	4.4	100567
60		9.3	11.0	5.4	96	122	308	2.4	3.3	.8	1.9	0	6	7	4.3	100568

Core	Depth cm	Cr _{WA} μg g ⁻¹	Cr _{HA} μg g ⁻¹	Cr _{HHA} μg g ⁻¹	Cr _R μg g ⁻¹	Cr _{BDM} μg g ⁻¹	Cr _T μg g ⁻¹	Cr _{ORG} μg g ⁻¹	Pb _{WA} μg g ⁻¹	Pb _{HA} μg g ⁻¹	Pb _{HHA} μg g ⁻¹	Pb _R μg g ⁻¹	Pb _{BDM} μg g ⁻¹	Pb _T μg g ⁻¹	Pb _{ORG} μg g ⁻¹	ID
P009	80	3.7	3.6	8.7	42	58	324	4.3	4.4	.4	1.8	2	9	12	2.4	100569
	100	3.2	7.7	4.8	55	71	296	6.5	3.5	.3	2.3	0	6	5	3.7	100570
	150	8.4	6.5	6.5	114	135	252	1.4	4.0	.2	2.6	0	7	0	2.7	100571
	200	4.3	5.7	9.7	109	129	288	8.7	3.9	.8	2.7	0	7	0	3.0	100572
	250	4.5	4.5	9.4	94	112	324	15.8	4.1	0.0	3.1	0	7	1	2.2	100573
	300	0.0	4.4	7.2	91	103	300	12.9	3.4	0.0	1.5	0	5	0	2.3	100574
T009	0	8.1	6.4	5.8	107	127	260	5.7	3.3	0.0	3.7	0	7	7	3.4	100552
	5	5.8	13.5	4.3	36	60	232	13.8	4.2	1.0	3.3	0	9	0	1.9	100553
	10	9.8	10.3	9.2	11	40	144	10.7	3.8	.6	2.3	0	7	3	.6	100554
	15	9.4	8.0	7.8	24	49	148	10.9	2.7	.6	2.3	0	6	6	2.0	100555
	20	8.3	9.6	9.3	21	48	136	17.1	2.2	.6	2.7	0	6	5	1.2	100556
	40	6.7	4.9	5.0	34	51	232	15.5	4.5	1.0	2.1	0	8	0	0.0	100557
	60	5.9	10.2	5.0	0	21	240	13.6	5.4	1.8	3.0	0	10	1	.1	100558
	80	6.9	12.5	8.5	95	123	316	15.0	6.4	.8	2.3	0	10	0	.2	100559
	100	7.9	6.4	2.9	64	81	232	.7	3.1	2.0	2.8	0	8	0	3.9	100560
	150	8.5	2.5	4.5	24	39	332	0.0	3.5	1.7	1.9	0	7	17	4.3	100561
	176	8.8	4.7	5.0	55	73	356	0.0	3.3	1.6	3.3	3	11	1	4.7	100562
	G011	0	.3	2.8	9.4	47	60	93	15.1	3.3	0.0	2.1	0	5	0	2.5	100575
5		3.5	11.5	8.3	39	63	74	5.7	2.8	.1	1.2	0	4	0	1.3	100576
10		1.4	9.3	9.0	30	50	60	9.8	1.7	0.0	1.5	0	3	6	2.6	100577
15		1.2	0.0	6.5	41	49	55	7.4	3.0	.7	3.2	0	7	0	2.2	100578
20		0.0	0.0	6.2	90	96	163	.6	.9	.7	2.5	0	4	6	4.0	100579
40		2.4	.6	6.0	97	106	70	0.0	4.2	.5	2.5	0	7	0	3.7	100580
60		.7	0.0	9.7	75	86	0	0.0	1.7	.4	0.0	0	2	0	1.7	100581
80		0.0	0.0	8.6	100	109	181	0.0	4.0	0.0	2.8	0	7	11	2.1	100582
94		0.0	.2	9.3	139	149	93	0.0	2.4	1.0	2.0	0	5	13	4.2	100583
P012		0	1.7	0.0	0.0	48	50	177	1.2	0.0	0.0	1.5	0	2	0	7.6	100591
	5	2.8	1.3	0.0	35	39	163	0.0	2.9	0.0	.2	0	3	0	5.9	100592
	10	.1	6.1	0.0	19	25	237	4.6	3.5	.5	1.1	0	5	0	5.1	100593
	15	1.2	0.0	.5	64	66	116	2.9	3.7	1.1	1.2	0	6	0	5.1	100594
	20	.4	9.9	0.0	0	10	121	9.3	3.5	.7	.9	0	5	2	4.8	100595
	40	1.4	2.6	1.3	4	9	167	9.8	5.0	.1	1.6	0	7	0	3.7	100596
	60	1.8	6.6	3.9	37	50	149	0.0	3.5	0.0	2.3	0	6	1	4.3	100597
	80	0.0	4.6	3.5	62	70	65	2.6	2.6	0.0	1.4	0	4	0	3.3	100598
	100	.5	10.1	6.0	30	47	158	6.4	4.7	0.0	1.9	0	7	0	3.2	100599
	150	0.0	6.5	6.0	78	91	172	9.8	3.6	.9	2.5	0	7	0	2.8	100600
	200	6.4	5.2	22.7	110	145	112	.9	6.0	1.8	4.7	0	13	0	.9	100601
	250	6.2	17.7	19.7	116	160	134	1.2	5.0	.4	3.1	0	9	0	1.8	100602
300	4.2	20.6	24.0	115	164	133	5.4	6.0	.5	3.3	0	10	0	2.2	100603	
T012	0	2.8	2.9	6.3	73	85	84	2.9	.3	.3	3.3	0	4	4	4.5	100584
	0	3.3	0.0	9.9	58	72	88	0.0	1.9	.3	3.2	0	5	6	4.1	100585
	10	2.8	1.8	11.0	44	59	205	0.0	.9	0.0	3.2	0	4	6	5.0	100586
	15	2.0	0.0	6.9	93	102	149	0.0	1.9	.9	3.1	0	6	5	5.7	100587
	20	0.0	0.0	3.3	148	151	209	.9	.7	1.1	1.6	0	3	0	6.6	100588
	40	0.0	0.0	5.0	36	41	200	7.1	2.7	0.0	.9	0	4	0	5.2	100589
	60	.3	3.5	4.0	37	45	144	.6	3.1	0.0	.8	0	4	0	5.2	100590
P013	2	8.0	0.0	3.4	75	86	118	.1	.3	2.2	3.0	0	6	8	5.6	100614
	6	9.4	0.0	3.6	87	100	140	0.0	4.7	2.2	1.3	0	8	12	1.7	100615
	10	8.5	0.0	9.3	100	118	156	0.0	4.6	2.1	4.2	0	11	4	1.6	100616
	17	1.3	.5	4.8	132	138	115	3.8	3.1	3.4	2.2	0	9	1	3.6	100617
	20	.5	2.1	13.1	85	101	161	6.9	4.1	4.2	2.1	0	10	11	3.0	100618
	40	2.2	2.2	7.2	116	127	125	2.8	3.9	1.3	1.7	0	7	0	3.5	100619
	60	.5	2.7	8.3	95	106	112	5.2	2.8	2.1	1.4	0	6	2	2.0	100620
	80	.1	2.0	11.1	95	108	115	7.1	3.2	0.0	1.2	0	4	6	1.8	100621
	100	.2	1.7	8.8	36	47	81	5.4	1.4	2.6	2.8	0	7	0	4.3	100622
	150	.7	2.3	5.7	54	62	129	5.8	2.4	.1	3.0	0	6	4	3.6	100623
	200	0.0	4.1	7.4	56	68	148	11.1	2.1	.2	2.3	0	5	8	5.2	100624
	250	2.1	0.0	9.7	98	110	105	6.1	2.2	.2	2.3	0	5	5	4.6	100625
	300	1.5	1.8	13.9	76	93	142	3.1	2.4	0.0	2.2	0	5	12	4.7	100626

Core	Depth cm	Cr _{NA} μgg ⁻¹	Cr _{HA} μgg ⁻¹	Cr _{HRA} μgg ⁻¹	Cr _R μgg ⁻¹	Cr _{BOH} μgg ⁻¹	Cr _T μgg ⁻¹	Cr _{ORG} μgg ⁻¹	Pb _{NA} μgg ⁻¹	Pb _{HA} μgg ⁻¹	Pb _{HRA} μgg ⁻¹	Pb _R μgg ⁻¹	Pb _{BOH} μgg ⁻¹	Pb _T μgg ⁻¹	Pb _{ORG} μgg ⁻¹	ID
T013	0	6.8	.6	4.1	40	51	87	4.9	.2	6.3	3.6	0	10	13	7.5	100604
	5	4.9	1.4	4.1	49	59	67	6.4	.4	2.3	2.1	0	5	6	5.1	100605
	10	6.1	.9	2.2	49	58	60	4.2	3.4	5.2	2.3	0	11	10	3.1	100606
	15	5.8	1.7	4.2	63	74	77	3.2	3.5	3.0	1.7	0	8	9	1.7	100607
	20	4.9	1.8	1.5	59	67	98	3.2	2.7	5.3	.5	0	9	5	2.8	100608
	40	6.2	3.5	8.0	18	36	132	3.6	3.1	4.0	2.3	0	9	6	3.7	100609
	60	7.2	3.1	6.9	140	157	151	.9	3.1	2.6	1.8	0	8	5	3.9	100610
	77	7.5	4.4	6.5	134	153	148	1.4	3.2	7.2	2.1	0	13	7	3.4	100611
	100	7.5	3.9	8.5	81	101	151	1.3	3.3	6.1	1.8	0	11	0	3.1	100612
	150	5.1	0.0	9.6	67	82	146	0.0	3.4	2.4	2.0	0	8	0	3.2	100613
	P014	0	6.3	1.3	23.6	38	69	62	5.1	1.0	1.8	3.9	0	7	0	3.4	100637
5		9.1	5.3	28.0	59	101	59	3.4	5.0	0.0	1.5	0	7	0	0.0	100638
10		7.2	0.0	26.2	48	82	96	3.9	4.0	.6	.8	0	5	0	.8	100639
15		7.4	2.5	22.2	49	81	90	8.6	5.0	.6	1.9	0	8	0	0.0	100640
20		6.5	0.0	19.7	50	76	85	4.8	5.0	.9	.9	0	7	0	0.0	100641
40		4.1	0.0	22.3	35	62	72	5.7	7.0	2.1	2.9	0	12	0	0.0	100642
60		2.1	0.0	13.3	27	42	85	6.9	5.0	0.0	2.0	0	7	0	.4	100643
80		1.2	0.0	15.7	26	43	85	6.1	5.0	.8	2.6	0	8	0	.4	100644
100		.2	0.0	15.5	21	37	77	8.1	3.0	.3	1.6	0	5	0	1.5	100645
150		1.9	0.0	11.3	32	45	69	6.9	4.0	0.0	2.1	0	6	0	2.0	100646
200		2.4	0.0	17.1	54	73	58	4.4	5.0	0.0	1.8	0	7	0	0.0	100647
250		0.0	0.0	12.1	111	123	69	5.4	2.0	0.0	1.0	0	3	0	2.3	100648
T014		0	11.0	19.1	18.0	0	48	115	0.0	2.0	1.1	5.2	0	8	4	5.5	100627
	5	11.8	20.7	15.4	93	141	109	0.0	3.0	1.0	4.2	0	8	0	1.9	100628
	10	10.9	19.0	13.0	59	101	50	0.0	4.0	1.2	1.7	0	7	0	.7	100629
	15	12.5	18.0	21.9	37	89	66	.4	6.0	1.0	2.3	0	9	0	0.0	100630
	20	13.2	20.8	24.6	45	103	67	0.0	5.0	1.0	2.6	0	9	0	1.0	100631
	40	10.9	15.8	8.7	33	68	46	0.0	5.0	1.1	2.4	0	9	0	1.5	100632
	60	4.2	5.2	21.7	52	83	96	5.8	6.0	2.4	2.7	0	11	0	.6	100633
	78	5.9	2.2	25.2	44	77	86	2.6	6.0	.3	1.8	0	8	0	.6	100634
	100	4.6	3.4	27.9	60	96	74	11.2	5.0	1.5	2.0	0	9	0	1.8	100635
	150	3.9	4.3	19.0	57	85	86	4.7	3.0	.9	1.7	2	7	0	2.3	100636
G021	5	6.4	0.0	9.5	45	61	19	9.4	2.0	0.0	0.0	0	2	0	0.0	100649
	20	6.4	0.0	11.4	33	50	21	9.4	2.0	0.0	.3	0	2	0	0.0	100650
	40	5.8	0.0	16.5	40	62	13	4.9	3.0	.7	0.0	0	4	0	0.0	100651
	60	2.8	.9	14.7	43	61	37	7.7	3.0	.7	0.0	0	4	0	0.0	100652
	80	3.8	2.2	16.0	40	62	30	5.0	3.0	.2	.8	0	4	0	0.0	100653
	100	3.5	3.0	14.8	21	42	30	6.5	2.0	.6	0.0	0	3	0	.4	100654
120	2.2	4.7	20.8	19	47	21	8.5	1.0	.5	0.0	0	2	0	1.6	100655	
G022	0	7.4	.6	9.4	23	40	35	6.2	4.0	.3	0.0	0	4	0	0.0	100656
	25	7.0	.5	18.5	34	60	43	7.5	2.0	.2	0.0	0	2	0	0.0	100657
	50	5.6	0.0	19.5	52	77	62	6.5	3.0	0.0	0.0	0	3	0	0.0	100658
	75	4.4	2.9	15.9	40	63	32	6.1	3.0	0.0	1.0	0	4	0	0.0	100659
	125	6.5	1.3	18.8	38	65	40	0.0	1.0	0.0	1.4	0	2	0	.8	100661
150	4.9	1.2	15.6	44	66	24	2.3	5.0	.5	.7	0	6	0	0.0	100660	
G023	0	7.1	.5	11.5	33	52	22	0.0	5.0	0.0	1.2	0	6	0	0.0	100662
	25	7.0	2.4	15.7	21	46	40	.6	4.0	0.0	.5	0	5	0	0.0	100663
	50	6.7	2.5	19.6	33	62	35	2.8	2.0	.1	.2	0	2	0	0.0	100664
	75	5.9	2.5	17.2	27	53	21	0.0	3.0	.1	.5	0	4	0	0.0	100665
	90	6.4	0.0	14.9	36	57	18	1.9	2.0	.4	0.0	0	2	0	0.0	100666
G024	5	5.4	2.4	10.9	33	52	0	1.7	3.0	.2	0.0	0	3	0	0.0	100667
	25	3.6	.7	18.3	37	60	6	5.0	3.0	0.0	0.0	0	3	0	0.0	100668
	48	4.9	0.0	23.8	41	70	16	9.6	3.0	1.1	.8	0	5	0	0.0	100669
G025	5	2.9	1.7	21.2	46	71	0	7.8	2.0	1.2	0.0	0	3	0	0.0	100670
	20	6.0	0.0	19.9	71	97	0	3.6	3.0	.8	0.0	0	4	0	0.0	100671
	30	4.4	0.0	18.4	60	83	11	5.3	2.0	1.2	0.0	0	3	0	.3	100672
	44	5.1	4.4	19.6	63	92	18	5.2	1.0	.3	0.0	0	1	0	1.3	100673

Core	Depth cm	Cr _{NA} μg g ⁻¹	Cr _{HA} μg g ⁻¹	Cr _{BHA} μg g ⁻¹	Cr _R μg g ⁻¹	Cr _{BON} μg g ⁻¹	Cr _T μg g ⁻¹	Cr _{ORG} μg g ⁻¹	Pb _{NA} μg g ⁻¹	Pb _{HA} μg g ⁻¹	Pb _{BHA} μg g ⁻¹	Pb _R μg g ⁻¹	Pb _{BON} μg g ⁻¹	Pb _T μg g ⁻¹	Pb _{ORG} μg g ⁻¹	ID
G026	0	1.7	1.4	11.7	48	63	32	9.9	3.0	.3	.5	0	4	0	0.0	100674
	15	4.3	.6	12.5	15	32	47	2.4	2.0	.8	0.0	0	3	0	.5	100675
	30	4.2	1.3	19.8	17	42	54	7.0	3.0	.2	0.0	0	3	0	0.0	100676
	45	.6	3.7	15.2	14	34	30	10.3	1.0	.7	.5	0	2	0	1.3	100677
B028	0	7.8	0.0	23.3	30	61	47	2.0	6.0	1.9	2.8	0	11	8	2.2	100678
	5	8.1	3.8	16.8	26	55	82	3.5	5.0	.3	.5	0	6	5	.1	100679
	10	9.4	5.1	19.5	32	66	61	2.3	4.0	.3	.4	0	5	0	0.0	100680
	15	7.9	3.1	17.8	31	59	75	3.2	4.0	.6	1.2	0	6	0	0.0	100681
	20	10.9	2.1	23.4	35	71	60	1.2	4.0	0.0	0.0	0	4	0	0.0	100682
	25	8.7	1.8	19.7	28	58	72	3.6	3.0	.4	.2	0	4	0	.5	100683
	30	17.0	0.0	6.1	31	54	72	0.0	5.0	0.0	1.7	0	7	0	0.0	100684
F029	5	2.6	3.6	9.2	69	84	69	14.7	2.5	0.0	.4	0	3	0	1.0	100693
	10	.5	0.0	6.5	48	55	116	12.5	4.1	.6	1.3	0	6	0	.9	100694
	20	2.8	.1	9.8	47	59	79	6.2	3.7	0.0	0.0	2	6	0	1.1	100695
	30	0.0	1.6	11.2	15	28	83	10.3	4.0	0.0	1.3	0	5	0	.9	100696
	40	0.0	1.7	9.4	63	74	53	2.9	2.4	0.0	.3	0	3	1	.3	100697
	50	.1	3.4	12.6	25	41	87	1.4	2.8	0.0	0.0	0	3	0	1.3	100698
	60	0.0	.4	5.3	44	49	130	7.4	2.8	0.0	.6	4	7	1	3.6	100699
	70	.2	.8	12.1	0	13	114	7.2	3.0	2.3	.8	0	6	0	3.2	100700
	80	0.0	0.0	8.8	62	70	104	8.0	2.3	0.0	1.1	0	3	1	3.9	100701
	90	.3	.9	10.0	23	34	84	3.9	1.7	0.0	.9	0	3	0	3.7	100702
	100	.9	.2	8.6	40	50	121	5.6	1.9	0.0	.9	0	3	0	3.9	100703
	110	1.2	.3	2.2	89	93	115	5.1	3.0	0.0	.6	0	4	16	4.1	100704
	120	0.0	0.0	0.0	64	64	126	5.5	3.8	.3	.4	0	5	18	2.5	100705
	130	2.4	0.0	.9	90	93	119	4.6	2.1	1.0	1.5	0	5	18	3.7	100706
	140	.5	0.0	.1	106	106	140	4.6	2.9	2.6	.7	0	6	8	4.3	100707
	150	0.0	0.0	7.9	56	64	127	3.2	5.3	1.1	.5	1	8	16	1.8	100708
	160	0.0	0.0	4.5	57	61	135	3.7	4.6	.7	0.0	2	8	12	1.7	100709
	170	0.0	0.0	4.8	100	105	140	3.9	5.1	.2	0.0	5	10	21	2.3	100710
	180	0.0	0.0	12.6	67	79	119	6.1	5.1	.3	.3	0	6	12	1.6	100711
	190	0.0	0.0	8.7	63	72	142	5.9	4.3	0.0	0.0	3	7	12	3.1	100712
200	3.2	0.0	6.1	45	54	102	5.3	2.3	2.0	1.6	3	9	0	6.9	100713	
210	6.2	.3	8.5	34	49	69	1.1	2.4	2.0	1.2	3	9	0	3.8	100714	
220	2.2	0.0	9.7	32	43	86	6.0	3.0	1.2	1.9	5	11	0	5.6	100715	
230	8.8	0.0	7.9	11	28	75	0.0	2.8	1.4	1.4	2	8	0	5.6	100716	
240	3.8	0.0	10.1	12	26	103	3.9	2.5	2.4	.2	0	5	0	5.6	100717	
250	2.7	1.3	9.2	0	13	100	5.1	3.6	2.3	1.8	0	8	0	5.0	100718	
280	4.8	2.1	11.0	43	61	112	2.3	3.8	1.6	2.4	0	8	0	3.4	100719	
290	5.1	0.0	9.5	11	26	100	2.3	2.6	1.8	1.8	0	6	0	4.6	100720	
300	6.5	2.2	10.0	81	100	168	2.3	4.0	1.7	2.3	0	8	0	5.6	100721	
F029A	79	15.8	0.0	11.9	27	55	88	0.0	3.0	0.0	1.0	0	4	0	.5	100691
	140	6.7	0.0	17.5	55	79	163	1.6	3.0	0.0	2.8	0	6	5	4.1	100687
	140	7.4	0.0	8.4	35	51	121	2.4	4.0	0.0	1.0	0	5	0	2.5	100692
	293	7.0	0.0	9.6	26	43	124	.2	3.0	0.0	1.7	0	5	0	2.2	100690
	445	7.7	0.0	5.0	42	55	159	0.0	7.0	0.0	1.6	0	9	5	.5	100686
	445	8.3	0.0	11.9	32	52	147	0.0	4.0	0.0	2.6	1	7	0	4.0	100689
	598	7.4	0.0	10.8	37	55	130	.4	4.0	0.0	2.8	0	7	0	2.8	100688
750	10.8	0.0	11.1	48	70	122	0.0	5.0	0.0	1.7	0	7	8	2.1	100685	
T029	5	6.5	.7	7.6	65	79	63	11.9	2.6	0.0	1.1	0	4	1	1.4	100722
	10	5.9	.5	14.2	71	92	51	12.4	1.4	0.0	.8	0	2	5	2.2	100723
	15	8.0	.5	12.9	77	99	59	10.8	1.0	0.0	1.2	0	2	8	2.6	100724
	20	7.1	1.7	14.7	78	101	73	12.0	1.0	0.0	.6	0	2	8	3.4	100725
	30	2.4	.2	5.6	63	71	67	12.4	2.9	1.5	.8	0	5	17	1.0	100726
	40	2.8	.9	7.1	33	44	84	16.9	2.2	0.0	1.0	0	3	0	1.0	100727
	50	0.0	.2	5.5	54	60	78	16.5	2.3	0.0	.5	0	3	6	1.0	100728
G034	0	8.4	3.5	10.1	16	38	26	2.3	4.0	1.0	1.4	0	6	0	0.0	100729
	15	8.2	0.0	9.4	18	35	72	3.9	3.0	0.0	0.0	0	3	0	0.0	100730
	30	7.2	0.0	13.7	19	40	88	14.2	3.0	0.0	.5	0	4	0	.9	100731
	40	4.8	.1	10.9	12	27	75	17.1	3.0	.1	1.4	0	5	0	0.0	100732

Core	Depth cm	Cr _{HA} μg g ⁻¹	Cr _{NA} μg g ⁻¹	Cr _{BNA} μg g ⁻¹	Cr _R μg g ⁻¹	Cr _{BDM} μg g ⁻¹	Cr _T μg g ⁻¹	Cr _{ORG} μg g ⁻¹	Pb _{HA} μg g ⁻¹	Pb _{NA} μg g ⁻¹	Pb _{BNA} μg g ⁻¹	Pb _R μg g ⁻¹	Pb _{BDM} μg g ⁻¹	Pb _T μg g ⁻¹	Pb _{ORG} μg g ⁻¹	ID
G035	0	9.9	0.0	8.7	15	33	68	10.7	2.0	.6	.9	0	4	5	1.0	100733
	25	5.4	.2	10.7	19	35	110	14.8	3.0	0.0	.6	0	4	3	0.0	100734
	50	5.7	0.0	11.8	14	32	61	11.8	2.0	0.0	0.0	0	2	0	0.0	100735
	75	4.4	0.0	11.0	17	32	95	12.1	2.0	0.0	1.6	0	4	0	.5	100736
	100	6.5	.9	13.2	18	39	91	12.0	3.0	0.0	1.0	0	4	0	0.0	100737
	110	4.3	0.0	9.5	18	32	82	13.9	2.0	1.6	2.2	0	6	1	.2	100738
	120	10.0	0.0	12.8	17	40	103	8.9	2.0	.3	0.0	0	2	0	.6	100739
G036	0	4.7	0.0	8.2	24	36	75	2.0	2.0	0.0	.7	0	3	0	2.4	100740
	25	4.8	0.0	11.7	22	39	96	5.8	1.0	.3	0.0	0	1	0	1.5	100741
	50	5.6	0.0	14.9	23	43	119	4.7	2.0	0.0	0.0	0	2	0	.7	100742
	67	3.0	0.0	12.1	19	34	102	8.4	2.0	0.0	.1	0	2	0	.4	100743
G037	8	2.7	0.0	10.5	18	31	46	8.4	3.0	.5	1.0	0	5	0	1.5	100744
	25	8.0	0.0	11.2	18	37	65	0.0	0.0	0.0	0.0	0	0	0	1.3	100745
	50	6.8	1.4	9.3	21	38	81	2.0	0.0	0.0	0.0	0	0	0	1.7	100746
	70	10.6	1.5	5.4	19	37	75	0.0	2.0	.2	.7	0	3	0	0.0	100747
G038	0	6.9	2.8	3.5	17	30	77	1.7	1.0	0.0	0.0	0	1	0	1.0	100748
	5	8.2	0.0	8.7	15	32	88	1.4	1.0	0.0	0.0	0	1	0	1.2	100749
	10	7.4	0.0	5.5	14	27	93	0.0	0.0	0.0	0.0	0	0	0	2.2	100750
	15	8.5	.5	6.1	14	29	68	0.0	1.0	0.0	0.0	0	1	0	.9	100751
	20	8.7	.9	8.3	14	32	103	0.0	1.0	.2	0.0	0	1	0	1.2	100752
	30	8.4	.2	10.6	17	36	43	0.0	1.0	0.0	0.0	0	1	0	.8	100753
P040	0	10.8	0.0	8.2	28	47	100	3.6	3.1	1.1	1.4	0	6	0	2.1	100763
	5	8.0	0.0	10.2	0	18	139	.4	1.8	0.0	.1	0	2	0	3.8	100764
	10	7.2	0.0	6.3	13	27	174	3.0	3.2	0.0	.5	0	4	0	3.1	100765
	20	6.9	0.0	8.6	0	16	165	3.5	2.7	0.0	.5	0	3	0	4.4	100766
	40	5.6	0.0	10.7	645	661	168	5.6	2.8	0.0	1.5	0	4	0	3.7	100767
	60	6.9	0.0	8.6	40	56	148	1.5	2.8	0.0	1.6	0	4	0	3.4	100768
	80	8.2	1.4	8.4	0	18	153	2.3	2.4	0.0	1.3	0	4	0	3.3	100769
	100	9.4	0.0	12.6	0	22	130	2.2	1.5	0.0	.9	0	2	0	3.2	100770
	150	12.7	.5	17.7	12	43	150	0.0	5.2	.2	1.6	0	7	0	2.4	100771
	200	0.0	.2	2.8	52	55	145	7.0	3.1	.6	1.3	0	5	0	5.6	100772
	250	0.0	0.0	4.3	20	25	130	11.7	5.1	0.0	1.2	0	6	0	3.6	100773
	300	0.0	1.9	5.8	107	114	115	7.2	3.5	.1	1.2	0	5	9	4.0	100774
	360	0.0	3.1	5.5	141	150	100	14.5	4.4	0.0	1.4	0	6	4	3.0	100775
	400	0.0	1.3	6.5	62	70	150	12.1	4.8	0.0	1.4	0	6	5	1.5	100776
	450	0.0	2.1	8.3	75	86	148	12.9	3.6	0.0	1.8	0	5	14	4.9	100777
	500	0.0	4.5	2.6	96	103	133	11.6	3.9	.1	1.7	0	6	0	4.7	100778
	550	0.0	4.8	5.7	98	109	115	14.6	3.7	0.0	1.7	0	5	7	4.3	100779
600	0.0	3.8	9.8	151	164	118	16.2	4.0	.2	.8	0	5	5	4.1	100780	
650	1.7	1.9	4.0	40	48	142	8.5	7.3	.6	1.1	0	9	0	.5	100781	
680	3.0	1.4	2.1	127	133	121	8.8	6.3	.2	1.6	0	8	0	.8	100782	
T040	0	11.3	5.2	4.3	31	52	74	9.2	6.2	.7	1.4	0	8	0	1.8	100754
	5	11.7	15.7	3.2	29	60	97	9.4	4.4	.2	.4	0	5	0	.2	100755
	10	10.5	0.0	5.4	54	70	71	7.9	2.0	.1	0.0	0	2	0	2.2	100756
	20	11.7	.4	1.9	0	14	100	7.8	3.0	0.0	0.0	0	3	0	.2	100757
	40	5.3	0.0	3.4	17	25	89	11.5	3.6	0.0	0.0	0	4	0	.5	100758
	60	1.6	.8	8.2	39	49	180	12.7	3.2	1.1	.6	0	5	0	1.9	100759
	80	4.1	2.5	2.9	52	61	165	5.5	3.2	0.0	.6	0	4	0	4.1	100760
	100	4.6	2.3	6.1	22	35	198	6.8	4.3	0.0	.3	0	5	0	2.2	100761
	100	8.3	5.1	17.9	58	90	144	.1	5.0	.6	.9	0	7	0	1.1	100792
	110	9.4	3.1	17.1	48	78	124	0.0	5.0	.1	1.7	0	7	0	.5	100793
	120	5.7	0.0	16.7	47	70	142	17.6	5.0	0.0	1.5	0	7	2	1.1	100794
	130	6.1	0.0	17.1	53	77	135	12.2	5.0	0.0	.8	0	6	6	.4	100795
	138	5.8	0.0	18.5	73	97	115	4.1	5.0	.7	.3	0	6	0	.6	100796
140	4.3	0.0	6.5	91	102	174	8.0	3.8	0.0	1.4	0	5	0	3.1	100762	
B044	0	8.9	2.3	9.4	38	59	121	0.0	4.0	0.0	.4	0	4	0	3.0	100783
	5	7.8	0.0	6.8	47	62	128	0.0	5.0	0.0	.4	0	5	11	2.8	100784
	10	7.5	5.0	14.2	36	62	140	0.0	6.0	.9	2.0	0	9	7	.4	100785

Core	Depth cm	Cr _{WA} μg g ⁻¹	Cr _{HA} μg g ⁻¹	Cr _{HNA} μg g ⁻¹	Cr _R μg g ⁻¹	Cr _{BDH} μg g ⁻¹	Cr _T μg g ⁻¹	Cr _{ORG} μg g ⁻¹	Pb _{WA} μg g ⁻¹	Pb _{HA} μg g ⁻¹	Pb _{HNA} μg g ⁻¹	Pb _R μg g ⁻¹	Pb _{BDH} μg g ⁻¹	Pb _T μg g ⁻¹	Pb _{ORG} μg g ⁻¹	ID
B044	15	4.7	.9	17.0	41	64	151	0.0	5.0	.5	1.9	0	7	3	3.3	100786
	20	5.5	2.8	10.1	31	50	146	0.0	4.0	0.0	2.6	0	7	12	3.0	100787
	25	9.7	1.6	20.0	39	71	140	0.0	5.0	0.0	.8	0	6	3	1.9	100788
	30	5.7	6.4	16.0	40	68	142	1.9	4.0	0.0	1.4	0	5	0	3.6	100789
	35	7.4	.7	11.1	64	83	146	.4	4.0	0.0	1.7	0	6	0	2.0	100790
	40	12.8	2.4	18.5	50	84	121	.4	6.0	0.0	.6	0	7	0	0.0	100791
B049	0	8.8	0.0	18.9	57	85	97	16.2	4.0	.6	.5	0	5	0	2.4	100798
	5	9.4	1.6	21.3	59	91	68	14.8	4.0	.5	0.0	0	5	0	2.1	100799
	10	9.4	0.0	26.5	53	89	92	18.1	4.0	.2	0.0	0	4	0	.2	100800
	15	11.1	1.2	18.0	53	83	110	11.7	2.0	0.0	0.0	0	2	0	.7	100801
	20	8.6	0.0	21.6	51	81	137	13.1	3.0	.8	0.0	0	4	0	.7	100802
	25	10.0	0.0	21.8	61	93	110	22.7	5.0	0.0	.1	0	5	0	0.0	100803
	30	8.9	0.0	12.7	45	67	144	11.2	3.0	0.0	0.0	0	3	0	.8	100804
G050	0	6.6	0.0	5.4	26	38	43	5.8	2.0	.2	0.0	0	2	0	.2	100807
	20	7.8	0.0	11.8	30	50	72	6.2	3.0	1.5	0.0	0	5	0	0.0	100808
	40	6.8	0.0	16.5	32	56	95	7.9	2.0	0.0	.4	0	2	0	1.8	100809
	60	4.4	0.0	9.4	37	51	94	6.4	3.0	0.0	0.0	0	3	0	0.0	100810
	80	2.9	0.0	9.4	41	53	97	6.6	3.0	0.0	.2	0	3	0	0.0	100811
	100	1.2	.5	11.4	48	61	101	10.9	3.0	0.0	0.0	0	3	0	.8	100812
G051	0	1.1	.4	9.7	39	50	77	6.1	0.0	0.0	.2	0	0	6	1.7	100813
	10	3.4	0.0	16.1	63	82	99	0.0	0.0	0.0	.1	0	0	0	2.0	100814
	20	0.0	0.0	11.7	56	67	103	0.0	0.0	0.0	.9	0	1	0	2.9	100815
	30	0.0	.9	8.9	72	82	101	4.5	0.0	0.0	0.0	0	0	0	2.1	100816
	40	.9	1.1	14.2	53	70	95	5.8	0.0	1.4	0.0	0	1	8	2.4	100817
	50	1.4	2.9	8.7	45	58	88	3.0	0.0	0.0	.5	0	1	0	.5	100818
GRAB054	10	5.2	.2	2.0	22	29	29	2.4	2.0	0.0	0.0	0	2	0	0.0	100805
GRAB055	10	.7	0.0	4.6	22	27	13	8.8	1.0	0.0	.2	0	1	0	0.0	100806
P059	0	10.0	.6	10.9	40	62	67	7.8	2.0	.1	2.5	0	5	0	2.2	100828
	5	9.7	3.2	13.1	53	79	97	.4	2.0	0.0	.6	0	3	0	.4	100829
	10	7.9	1.1	12.3	41	63	97	1.4	3.0	0.0	.1	0	3	0	.2	100830
	20	10.8	2.2	19.7	63	96	128	0.0	3.0	.1	0.0	0	3	0	1.6	100831
	40	7.1	2.0	18.2	80	107	124	1.9	4.0	0.0	0.0	0	4	0	1.6	100832
	60	5.6	4.0	17.8	96	123	115	7.8	4.0	0.0	.5	0	5	13	.5	100833
	80	4.8	0.0	13.3	93	112	113	10.9	3.0	0.0	0.0	0	3	0	1.4	100834
	100	6.1	0.0	21.1	88	116	182	8.0	3.0	1.2	.4	0	5	7	2.9	100835
	140	7.4	1.8	27.3	109	145	158	6.1	2.0	0.0	.1	0	2	11	2.2	100836
	150	4.8	0.0	21.9	90	117	69	11.2	2.0	.6	.5	0	3	3	2.5	100837
	200	3.7	2.7	16.3	90	113	115	10.7	3.0	.2	0.0	0	3	0	.3	100838
	250	4.8	3.9	20.2	45	74	78	8.4	3.0	0.0	0.0	0	3	0	0.0	100839
	295	4.5	0.0	18.2	40	63	129	9.0	3.0	.6	0.0	0	4	0	1.9	100840
	350	4.2	3.3	20.6	100	128	209	10.3	3.0	1.6	0.0	0	5	0	1.6	100841
	400	4.9	1.0	20.8	51	78	173	20.0	5.0	0.0	.6	0	6	5	2.8	100842
445	3.9	0.0	21.5	132	158	171	14.9	3.0	.5	0.0	0	4	0	.6	100843	
T059	0	8.3	2.1	18.0	41	70	88	7.0	2.0	0.0	3.0	0	5	0	0.0	100819
	5	7.6	0.0	13.2	64	84	131	7.2	1.0	0.0	2.0	0	3	0	.7	100820
	10	8.4	1.5	15.5	58	83	119	0.0	4.0	0.0	2.0	0	6	2	0.0	100821
	20	7.8	0.0	19.0	66	93	113	1.1	4.0	0.0	1.0	0	5	4	.2	100822
	40	7.4	.1	14.4	56	78	88	1.4	4.0	0.0	1.5	0	6	3	1.1	100823
	60	6.9	.1	16.9	65	89	135	6.2	4.0	0.0	.3	0	4	3	.2	100824
	80	5.0	0.0	17.8	56	78	94	5.6	4.0	0.0	.3	0	4	0	0.0	100825
	100	4.6	3.5	17.2	50	75	92	9.5	3.0	.9	0.0	0	4	1	.8	100826
	136	4.5	3.5	17.7	41	67	135	13.0	4.0	0.0	.2	0	4	0	0.0	100827
G068	0	1.5	1.2	15.0	101	118	46	3.1	0.0	1.4	.2	0	2	0	3.0	100844
B069	0	5.2	2.4	21.7	83	112	129	0.0	3.0	0.0	2.4	0	5	0	2.1	100845
	5	3.8	.3	22.9	32	59	153	13.7	3.0	.4	1.6	0	5	0	1.8	100846
	10	3.7	3.0	21.3	49	77	91	10.2	1.0	0.0	1.1	0	2	0	4.2	100847

Core	Depth cm	Cr _{WA} μg g ⁻¹	Cr _{HA} μg g ⁻¹	Cr _{HNA} μg g ⁻¹	Cr _R μg g ⁻¹	Cr _{BUN} μg g ⁻¹	Cr _T μg g ⁻¹	Cr _{ORG} μg g ⁻¹	Pb _{WA} μg g ⁻¹	Pb _{HA} μg g ⁻¹	Pb _{HNA} μg g ⁻¹	Pb _R μg g ⁻¹	Pb _{BUN} μg g ⁻¹	Pb _T μg g ⁻¹	Pb _{ORG} μg g ⁻¹	ID
B069	15	3.3	.3	23.3	33	60	66	0.0	2.0	0.0	1.3	0	3	0	1.4	100848
	20	2.8	4.3	21.1	18	46	120	7.6	1.0	.2	0.0	0	1	3	2.8	100849
	25	3.1	3.2	22.2	24	52	102	12.2	0.0	0.0	.6	0	1	0	3.2	100850
	30	2.3	4.3	28.4	53	88	84	8.7	2.0	0.0	.8	0	3	0	0.0	100851
	35	1.3	5.8	25.8	46	79	91	5.3	2.0	1.2	.2	0	3	0	0.0	100852
P074	0	3.6	4.8	20.4	60	88	144	11.2	4.0	.2	.9	0	5	0	0.0	100860
	10	6.7	0.0	20.4	81	108	133	5.9	4.0	.2	.5	0	5	0	0.0	100861
	20	5.8	1.6	17.2	29	53	100	14.0	2.0	.5	0.0	0	3	0	0.0	100862
	40	8.6	0.0	9.4	58	76	104	5.5	3.0	.6	2.4	0	6	0	0.0	100863
	60	6.7	0.0	11.2	44	62	147	9.6	3.0	0.0	.6	0	4	0	0.0	100864
	80	5.1	0.0	10.3	77	92	198	4.4	2.0	0.0	0.0	0	2	0	.5	100865
	100	4.2	0.0	13.2	85	103	193	8.4	5.0	0.0	1.9	0	7	0	0.0	100866
	150	7.7	6.4	13.0	75	102	160	10.1	4.0	.1	1.5	0	6	2	.6	100867
	187	9.6	0.0	13.3	54	77	173	8.8	4.0	0.0	.1	0	4	1	0.0	100868
	250	9.1	0.0	9.8	54	73	133	11.7	3.0	0.0	0.0	0	3	0	0.0	100869
	300	8.7	0.0	16.2	44	69	153	13.4	2.0	0.0	0.0	0	2	0	0.0	100870
	340	11.2	0.0	13.0	43	67	144	13.9	2.0	0.0	0.0	0	2	0	0.0	100871
	400	6.8	0.0	10.3	32	50	160	11.8	3.0	0.0	0.0	0	3	0	0.0	100872
	450	6.5	0.0	14.4	58	79	169	4.5	3.0	0.0	0.0	0	3	0	0.0	100873
	493	7.9	0.0	14.6	74	96	73	0.0	3.0	0.0	0.0	2	5	13	.3	100874
	550	6.6	0.0	16.4	56	79	115	.2	3.0	0.0	0.0	1	4	0	.8	100875
	600	.2	0.0	14.4	76	90	100	0.0	2.0	0.0	0.0	4	6	0	0.0	100876
	650	0.0	0.0	15.9	76	92	129	0.0	3.0	.2	0.0	0	3	0	2.7	100877
	700	5.3	0.0	13.7	75	94	124	3.7	4.0	0.0	.9	0	5	0	1.2	100878
	750	5.0	0.0	10.4	57	72	73	0.0	4.0	0.0	0.0	0	4	0	1.2	100879
800	7.4	0.0	12.1	47	66	120	.1	3.0	0.0	0.0	1	4	0	.2	100880	
T074	10	17.5	3.8	20.4	17	59	100	4.7	3.0	.9	.7	0	5	0	.1	100853
	20	10.2	1.4	20.9	43	76	91	5.7	1.0	.5	3.9	0	5	0	2.6	100854
	40	5.2	0.0	17.7	42	65	75	11.2	1.0	.2	1.2	0	2	0	1.4	100855
	60	7.7	2.9	20.3	56	87	124	7.0	3.0	0.0	1.0	0	4	0	0.0	100856
	80	3.6	2.6	23.6	63	93	149	4.7	3.0	0.0	2.2	0	5	2	.5	100857
	100	3.5	0.0	18.6	64	86	205	7.2	3.0	0.0	.8	0	4	7	1.4	100858
	140	9.0	2.5	17.9	30	60	100	12.3	1.0	0.0	.1	0	1	0	1.2	100859
B076	0	14.3	0.0	15.2	38	67	46	0.0	4.0	0.0	0.0	0	4	0	0.0	100882
	5	11.9	0.0	13.8	47	73	64	0.0	3.0	0.0	.3	0	3	0	0.0	100883
	10	13.9	0.0	13.3	33	60	34	4.6	3.0	0.0	0.0	0	3	6	0.0	100884
	15	13.4	0.0	15.6	43	72	73	1.4	3.0	0.0	.4	0	3	0	0.0	100885
	20	11.4	0.0	19.9	78	110	92	1.9	3.0	0.0	.7	0	4	0	.1	100886
	25	13.0	1.1	11.0	27	52	82	0.0	3.0	1.5	2.5	0	7	0	0.0	100887
	30	7.7	2.7	11.5	47	69	102	.1	3.0	.1	1.8	0	5	0	0.0	100888
	35	5.7	1.0	10.3	45	62	46	.1	4.0	.2	1.0	4	9	0	0.0	100889
	40	4.9	2.8	8.6	53	69	68	0.0	3.0	.4	.1	0	4	0	0.0	100890
	45	4.1	.2	9.9	84	99	54	0.0	2.0	.3	.7	0	3	0	0.0	100891
P079	0	1.6	.1	19.5	77	98	109	16.4	3.0	1.4	.7	0	5	4	0.0	100896
	5	1.5	0.0	16.0	33	51	57	13.2	2.0	1.3	0.0	0	3	0	.5	100897
	10	.2	.2	14.0	34	48	34	8.6	1.0	0.0	0.0	0	1	19	0.0	100898
	20	2.4	4.0	17.5	49	73	72	6.6	2.0	0.0	.7	0	3	16	1.0	100899
	40	1.4	0.0	9.1	20	31	33	6.4	1.0	0.0	0.0	0	1	4	0.0	100900
	54	1.7	.8	10.3	41	54	156	5.7	2.0	0.0	0.0	0	2	0	0.0	100901
	80	.6	0.0	14.8	76	91	175	5.6	3.0	.8	1.7	0	6	0	.7	100902
	100	1.0	1.8	14.1	67	84	158	7.5	5.0	0.0	1.5	0	7	0	.1	100903
	150	2.1	1.9	12.9	61	78	179	4.6	2.0	0.0	.9	0	3	0	1.8	100904
198	7.3	0.0	11.5	38	57	128	1.7	4.0	.3	.7	0	5	4	0.0	100905	
T079	10	2.2	0.0	9.0	60	71	52	17.1	2.0	.6	0.0	0	3	14	.4	100892
	20	4.7	0.0	8.9	63	76	36	10.3	2.0	.2	.5	0	3	3	0.0	100893
	30	5.1	0.0	11.4	79	96	58	13.3	3.0	.2	.2	0	3	0	0.0	100894
	40	2.4	.5	13.1	72	88	101	11.8	2.0	.3	.5	0	3	0	0.0	100895

Core	Depth cm	Si _R %	Si _T %	Al _R %	Al _T %	Mg _R %	Mg _T %	K _R %	K _T %	Li _T %	CaCO ₃ %	C _{org} %	Residue mg	ID
GRAB002	0	25.7	22.5	3.62	4.61	.92	1.12	1.89	2.38	41	.	.	856	100906
	0	27.1	21.2	4.96	5.48	1.28	1.40	2.18	2.92	50	.	.	866	100907
P003	30	13.3	24.5	4.92	10.81	1.57	1.60	2.09	3.66	56	9.0	.7	792	100511
	50	16.6	23.3	5.58	11.51	1.62	1.65	2.09	3.92	55	7.1	.6	770	100512
	70	16.9	23.7	4.88	12.58	1.56	1.61	2.34	3.66	58	7.3	.6	798	100513
	90	18.3	26.7	5.56	13.00	1.80	1.65	2.29	3.72	61	7.1	.7	810	100514
	100	18.9	25.5	5.36	6.79	.49	1.39	2.02	2.74	58	6.4	.6	848	100522
	150	19.5	26.6	5.01	5.90	.46	1.19	2.01	2.76	47	5.9	.3	872	100523
	190	18.8	24.5	5.83	7.04	.53	1.35	2.06	2.96	61	6.3	.5	875	100524
	240	17.4	28.8	4.90	8.10	.48	1.21	2.03	2.74	57	6.6	.5	854	100525
	290	19.9	23.8	8.33	11.07	.74	1.79	2.35	3.46	69	8.7	.3	826	100526
	320	21.4	27.1	6.44	8.35	.40	1.40	2.11	3.01	59	6.2	.7	839	100527
T003	0	12.7	19.6	4.03	8.10	1.29	1.42	1.52	2.82	36	26.2	.6	587	100501
	20	10.4	19.1	3.28	8.77	1.01	1.34	1.23	3.08	38	23.3	.4	484	100502
	40	15.5	20.8	4.86	11.70	1.64	1.68	2.01	3.76	44	18.8	.7	736	100503
	60	16.1	22.5	4.97	12.24	1.61	1.77	2.08	3.78	47	10.6	.7	761	100504
	80	18.3	24.1	4.63	11.92	1.54	1.52	2.12	3.80	51	4.9	.6	852	100505
	100	17.1	26.7	5.74	13.08	1.81	1.75	2.30	3.96	62	8.0	.6	835	100506
	120	16.4	25.9	4.96	12.56	1.71	1.68	2.25	3.90	65	7.2	.6	822	100507
	140	14.1	26.1	6.51	11.89	1.72	1.67	2.39	3.80	53	7.1	.6	835	100508
	160	14.7	29.1	5.01	11.11	1.32	1.40	1.87	3.54	46	4.2	.4	837	100509
	180	13.9	28.0	5.23	10.14	1.27	1.32	1.97	3.34	53	5.3	.5	847	100510
B006	5	14.2	22.8	3.63	9.91	1.41	1.38	1.60	2.98	41	24.2	.6	629	100515
	10	14.5	20.3	3.71	9.06	1.39	1.36	1.58	2.94	35	22.0	.6	634	100516
	15	13.3	22.6	4.29	9.36	1.46	1.60	1.62	3.36	45	23.2	.6	627	100517
	21	14.5	21.5	4.60	8.92	1.43	1.50	1.60	2.94	43	25.5	.6	641	100518
	25	14.9	22.0	5.07	8.89	1.43	1.51	1.66	3.18	34	23.4	.5	627	100519
	30	14.5	22.7	4.25	9.15	1.59	1.58	1.86	3.22	47	22.1	.6	709	100520
	35	15.3	21.5	2.85	6.11	.53	1.42	1.82	2.57	53	19.9	.6	724	100521
P007	0	15.7	22.1	4.01	6.83	.47	1.33	1.87	2.69	41	19.4	.6	727	100540
	5	15.4	20.9	4.26	6.98	.47	1.40	1.98	2.87	45	15.6	.6	758	100541
	10	15.3	19.5	4.31	6.70	.49	1.46	2.02	2.52	44	18.4	.5	742	100542
	20	14.8	19.0	4.20	5.19	.47	.93	2.00	2.28	45	11.8	.7	774	100543
	40	13.9	26.0	3.52	9.33	.51	1.63	2.29	3.09	57	6.3	.7	849	100544
	60	14.1	28.2	3.41	8.47	.44	1.35	2.21	2.85	53	5.6	.6	860	100545
	80	13.3	23.9	4.11	9.00	.71	2.01	2.33	3.47	51	12.1	.4	828	100546
	100	12.9	12.6	3.71	1.99	.57	1.26	2.16	1.41	38	16.2	.4	792	100547
	150	11.6	23.3	4.06	9.23	.76	1.67	2.44	3.63	57	8.7	.6	862	100548
	200	19.9	21.0	3.81	8.86	.76	1.73	2.44	3.04	58	9.8	.4	830	100549
250	21.8	24.7	2.87	7.67	.47	1.64	2.25	3.13	43	10.5	.4	853	100550	
300	20.3	22.3	2.91	8.30	.62	1.82	2.17	3.07	59	10.2	.6	821	100551	
T007	0	15.2	20.2	4.95	5.90	.49	1.34	1.59	2.19	37	25.3	.6	647	100528
	5	13.9	19.9	4.49	6.21	.46	1.46	1.56	2.56	38	23.4	.6	644	100529
	10	13.4	19.4	5.19	5.92	.46	1.37	1.53	2.46	36	22.9	.5	616	100530
	15	11.9	19.0	4.50	5.54	.45	1.32	1.59	2.57	35	26.6	.6	623	100531
	20	12.8	18.4	4.76	5.50	.45	1.18	1.60	2.43	38	24.2	.5	636	100532
	40	14.7	20.6	5.93	7.33	.57	1.60	1.94	2.89	50	17.2	.7	759	100533
	60	15.8	23.6	5.61	9.03	.58	1.72	2.14	2.91	54	11.0	.7	815	100534
	80	21.1	27.2	5.48	8.91	.45	1.51	2.34	2.75	56	5.2	.6	864	100535
	100	18.8	25.1	4.96	9.53	.54	1.58	2.16	3.04	62	5.7	.7	837	100536
	120	17.7	23.7	4.83	8.97	.57	1.44	2.13	2.79	60	6.6	.7	831	100537
	140	17.8	24.8	5.17	8.86	.54	1.35	2.13	3.19	60	7.0	.7	820	100538
	155	16.8	24.0	4.84	9.07	.56	1.46	2.16	3.23	61	6.9	.7	829	100539
	P009	5	17.4	21.4	5.36	6.87	.51	1.43	1.82	2.93	30	24.4	.4	701
10		15.8	21.6	5.28	7.03	.44	1.51	1.76	2.68	42	17.5	.3	767	100564
15		19.6	25.1	6.07	7.84	.47	1.37	2.23	2.92	54	11.2	.5	832	100565
20		19.6	23.2	7.23	11.02	.60	1.64	2.31	3.45	56	6.2	.5	850	100566
40		18.6	22.2	8.86	11.47	.67	1.75	2.50	3.51	72	6.7	.6	864	100567
60		18.6	22.4	7.69	11.16	.73	1.82	2.47	3.68	66	8.1	.4	856	100568

Core	Depth cm	Si _R %	Si _T %	Al _R %	Al _T %	Mg _R %	Mg _T %	K _R %	K _T %	Li _T %	CaCO ₃ %	C _{org} %	Residue mg	ID
P009	80	17.2	21.3	7.33	10.88	.71	1.88	2.24	3.35	63	9.2	.4	830	100569
	100	15.9	23.7	8.16	10.62	.69	1.89	2.48	3.37	70	6.8	.5	857	100570
	150	14.7	23.5	8.32	10.50	.64	1.89	2.60	3.54	68	7.7	.5	874	100571
	200	13.9	23.4	8.47	11.41	.60	2.01	2.64	3.43	71	5.9	.6	873	100572
	250	13.8	23.5	8.23	10.86	.68	2.17	2.38	3.39	61	9.2	.4	831	100573
	300	14.8	22.1	8.19	10.32	.69	1.97	2.34	3.48	62	8.4	.4	847	100574
T009	0	17.5	24.5	2.63	9.45	.55	1.84	2.11	3.02	57	14.6	.5	769	100552
	5	15.9	23.6	5.52	8.31	.52	1.73	2.08	2.95	57	20.0	.5	757	100553
	10	14.4	21.2	4.02	4.99	.35	1.14	1.57	2.11	29	32.2	.4	622	100554
	15	16.0	20.8	4.34	4.90	.29	1.24	1.71	1.96	29	31.4	.3	626	100555
	20	16.4	20.4	4.39	5.31	.37	1.05	1.79	2.21	31	29.3	.2	676	100556
	40	17.0	23.3	4.31	6.72	.42	1.16	1.83	2.84	40	23.3	.2	708	100557
	60	22.5	25.3	6.50	9.49	.56	1.51	2.42	3.37	60	5.1	.5	896	100558
	80	20.1	23.8	7.01	9.94	.65	1.42	2.27	3.24	66	8.0	.5	842	100559
	100	19.1	23.1	6.73	10.89	.60	1.75	2.25	3.44	67	6.9	.6	832	100560
	150	18.5	23.3	7.16	10.14	.72	1.74	2.45	3.72	63	8.7	.4	843	100561
	176	20.3	23.8	7.48	10.36	.63	1.68	2.43	3.23	73	5.6	.6	870	100562
	G011	0	15.5	17.3	3.72	5.03	.68	1.17	1.47	2.19	25	35.3	.5	663	100575
5		15.5	16.9	3.55	4.76	.66	1.22	1.38	2.00	24	34.1	.4	594	100576
10		17.0	16.4	3.69	4.39	.67	1.27	1.46	1.84	28	33.4	.3	600	100577
15		16.0	15.7	3.82	4.30	.75	1.11	1.56	1.86	25	31.6	.2	610	100578
20		16.8	19.0	4.32	7.37	1.00	1.69	1.72	2.16	29	24.9	.2	658	100579
40		18.9	22.8	6.08	8.54	.99	1.59	2.09	2.65	59	14.8	.6	788	100580
60		18.6	29.7	2.54	4.94	.35	.78	1.45	1.79	26	6.0	.2	846	100581
80		17.9	22.9	6.69	10.19	1.26	1.84	2.51	3.01	65	4.2	.5	870	100582
94		18.9	25.5	6.27	10.00	1.11	1.81	2.39	3.12	59	4.7	.4	881	100583
P012		0	18.7	21.9	4.17	8.28	1.20	2.01	2.16	2.77	35	18.1	.3	757	100591
	5	16.6	21.3	3.79	8.35	1.18	2.10	2.28	2.96	51	14.7	.3	737	100592
	10	21.3	24.1	4.70	8.57	1.21	1.78	2.37	3.26	63	8.2	.4	876	100593
	15	18.8	21.4	4.06	8.78	1.31	2.36	2.44	3.28	61	13.7	.4	848	100594
	20	18.4	22.8	3.92	8.54	1.17	1.73	2.26	3.24	58	10.3	.4	826	100595
	40	18.5	22.5	6.30	8.43	1.32	2.06	2.47	3.21	39	14.2	.4	797	100596
	60	19.8	23.2	6.20	6.69	.89	1.38	2.40	2.65	36	7.6	.4	850	100597
	80	16.9	26.5	4.82	7.44	1.15	1.53	2.07	2.96	32	16.8	.3	734	100598
	100	20.2	22.3	5.07	8.69	1.16	1.80	2.25	3.16	55	14.9	.4	832	100599
	150	20.0	26.9	4.08	8.60	1.01	1.60	2.14	3.37	55	6.2	.3	867	100600
	200	19.0	24.4	4.82	7.92	1.58	2.37	2.18	3.27	58	12.4	.5	784	100601
	250	25.1	26.1	5.38	8.58	2.16	2.73	2.37	3.90	61	9.0	.5	794	100602
	300	23.0	25.5	5.25	8.66	2.05	2.80	2.57	4.33	61	8.2	.4	819	100603
T012	0	10.9	17.0	3.37	6.03	.65	1.34	1.33	1.85	36	30.6	.4	535	100584
	0	16.1	17.8	4.05	6.45	.88	1.61	2.04	2.21	43	29.2	.4	695	100585
	10	19.3	19.3	5.40	8.19	1.22	2.05	2.40	2.81	45	16.7	.2	765	100586
	15	20.3	23.4	5.26	8.04	1.29	1.93	2.31	3.12	33	16.7	.2	787	100587
	20	20.3	23.8	5.17	8.93	1.30	2.21	2.48	3.07	54	16.8	.3	796	100588
	40	18.3	19.7	4.99	7.91	1.27	1.99	2.29	2.73	32	17.2	.3	789	100589
60	19.6	21.1	4.99	8.24	1.33	2.14	2.40	2.82	43	16.8	.3	789	100590	
P013	2	9.7	17.1	2.87	4.95	.65	1.58	1.50	2.34	37	29.9	.4	603	100614
	6	10.8	19.1	3.25	5.93	.73	1.88	1.72	2.66	44	24.4	.4	653	100615
	10	13.2	20.4	3.60	6.56	.82	2.05	1.91	2.69	49	15.4	.6	749	100616
	17	13.0	25.7	3.14	6.35	.63	1.88	2.05	2.86	57	7.4	.6	803	100617
	20	10.9	24.0	4.17	6.23	.85	1.96	2.04	2.78	54	11.0	.6	783	100618
	40	11.6	25.9	3.82	5.75	.74	1.80	2.09	2.92	49	8.2	.5	820	100619
	60	12.3	28.2	3.61	4.68	.60	1.17	2.02	2.40	42	6.8	.4	816	100620
	80	13.3	25.0	3.38	5.44	.53	1.74	2.10	2.67	48	8.0	.6	764	100621
	100	12.6	27.3	3.05	4.96	.55	1.43	2.00	2.57	41	4.4	.4	863	100622
	150	15.6	25.5	4.45	5.50	.58	1.59	1.95	2.84	57	4.1	.7	814	100623
	200	10.9	22.1	3.90	6.21	.73	1.65	2.08	2.97	68	7.7	1.1	827	100624
	250	16.8	23.4	3.98	5.66	.66	1.67	2.10	2.99	61	6.1	.8	819	100625
	300	14.8	23.5	4.58	11.56	.79	1.89	2.39	3.25	65	9.0	.5	826	100626

Core	Depth cm	Si _R %	Si _T %	Al _R %	Al _T %	Mg _R %	Mg _T %	K _R %	K _T %	Li _T %	CaCO ₃ %	C _{org} %	Residue mg	ID
T013	0	9.2	15.9	3.11	5.46	.59	1.55	1.36	2.37	40	32.2	.6	577	100604
	5	8.8	17.0	3.32	4.89	.67	1.52	1.49	2.05	33	31.2	.5	569	100605
	10	9.9	18.2	3.54	5.08	.64	1.55	1.49	2.26	35	28.2	.4	574	100606
	15	8.7	18.2	3.21	5.35	.68	1.66	1.52	2.26	40	26.6	.4	590	100607
	20	6.9	21.0	3.34	5.90	.66	1.66	1.50	2.35	44	24.2	.4	587	100608
	40	12.1	22.3	4.00	6.40	.81	1.86	1.78	2.85	49	22.5	.5	693	100609
	60	12.6	22.6	4.30	7.42	.94	2.13	1.98	2.84	47	15.7	.6	760	100610
	77	14.1	22.9	4.29	7.30	.90	2.19	1.99	2.76	47	16.2	.6	743	100611
	100	10.1	24.1	3.38	8.14	.64	1.99	1.70	2.82	56	10.3	.6	692	100612
	150	13.5	23.8	3.55	7.28	.69	1.86	1.99	2.99	56	7.3	.6	769	100613
P014	0	12.7	19.9	4.10	5.51	1.15	1.31	1.44	2.22	39	29.9	.6	557	100637
	5	9.3	19.6	3.66	4.95	.91	1.52	.82	2.13	46	29.4	.5	581	100638
	10	10.3	19.9	3.32	5.32	.97	1.57	1.52	2.38	45	28.7	.5	604	100639
	15	12.7	19.3	3.34	5.43	.96	1.52	1.43	2.13	44	28.2	.5	588	100640
	20	12.4	20.6	3.12	6.11	1.12	1.95	1.38	2.28	46	22.8	.4	641	100641
	40	14.0	21.7	3.62	6.70	.98	2.03	1.56	2.87	47	19.1	.5	619	100642
	60	19.1	21.9	4.66	7.44	1.08	2.38	1.70	2.95	55	16.5	.5	646	100643
	80	20.0	23.1	5.05	7.44	1.24	2.43	1.82	3.30	56	14.7	.6	723	100644
	100	18.9	22.8	4.96	8.09	1.46	2.62	1.77	3.17	58	14.1	.6	692	100645
	150	16.0	24.9	4.30	9.09	1.52	2.07	1.64	3.40	67	8.0	.7	727	100646
	200	18.8	25.6	4.66	7.64	1.25	1.49	1.89	3.47	60	9.2	.5	785	100647
	250	25.1	27.2	5.94	9.76	1.86	2.12	1.97	3.38	63	8.1	.6	756	100648
T014	0	0.0	19.4	0.00	5.11	0.00	1.56	0.00	2.13	46	29.2	.6	551	100627
	5	14.3	19.1	3.17	5.04	1.10	1.54	1.40	2.12	44	30.4	.5	552	100628
	10	19.8	20.1	2.64	5.65	.94	1.34	1.11	2.53	48	23.2	.4	475	100629
	15	17.4	19.7	4.67	5.69	1.22	1.47	1.55	2.23	49	29.7	.5	574	100630
	20	12.1	20.0	4.23	5.55	.99	1.39	1.43	2.42	46	28.5	.5	536	100631
	40	14.4	21.3	3.88	5.48	1.25	1.59	1.36	2.28	48	24.3	.4	592	100632
	60	15.0	22.2	4.98	6.95	1.20	1.93	1.62	2.50	52	20.4	.5	618	100633
	78	12.8	22.4	4.82	7.44	1.68	1.80	1.77	3.17	53	21.2	.5	684	100634
	100	14.3	23.3	5.52	7.59	1.76	2.02	1.96	2.78	54	17.4	.6	731	100635
	150	16.3	28.4	6.21	9.05	1.68	1.80	2.21	3.48	64	5.0	.7	839	100636
G021	5	17.3	20.1	3.07	2.70	.46	.37	.90	1.22	25	26.4	2.3	562	100649
	20	15.9	20.5	3.00	2.80	.46	.48	.96	1.37	25	25.3	2.2	573	100650
	40	15.0	22.4	3.13	3.75	.51	.46	1.03	1.70	33	22.2	2.2	598	100651
	60	13.3	23.6	2.96	3.97	.58	.57	1.08	1.95	33	22.1	2.1	666	100652
	80	13.8	23.1	3.30	3.51	.58	.44	1.22	1.68	34	21.9	1.7	634	100653
	100	15.1	24.9	3.30	4.32	.51	.73	1.17	1.83	35	19.4	1.4	655	100654
	120	17.0	24.7	3.34	3.67	.25	.50	1.13	1.90	27	16.2	.8	719	100655
G022	0	10.2	18.2	2.07	3.31	.39	.37	.96	1.28	28	22.9	1.9	636	100656
	25	10.7	21.5	2.79	3.31	.36	.51	1.02	1.48	29	24.7	2.1	648	100657
	50	13.1	22.1	3.36	4.11	.49	.58	1.13	1.62	34	22.6	2.0	678	100658
	75	12.0	23.9	2.81	4.24	.37	.51	1.04	1.95	33	20.6	1.5	651	100659
	125	16.3	25.7	2.60	4.82	.52	.78	1.23	2.38	30	16.2	.8	696	100661
	150	13.7	23.6	2.53	4.34	.57	.62	1.27	2.12	32	20.7	1.3	684	100660
G023	0	16.9	27.7	2.47	3.29	.34	.24	.95	1.57	28	19.0	2.0	668	100662
	25	17.5	11.7	3.07	.87	.39	.44	1.08	.82	37	19.7	2.2	683	100663
	50	13.6	20.6	2.25	3.77	.41	0.00	1.07	1.73	31	21.8	2.2	622	100664
	75	10.9	20.2	1.83	4.12	.31	.37	1.15	1.93	25	20.1	1.7	619	100665
	90	9.5	21.2	1.57	4.53	.41	.44	1.33	2.17	25	20.9	1.8	629	100666
G024	5	15.2	20.8	1.59	3.66	.09	.40	1.46	1.72	21	17.7	1.4	733	100667
	25	14.1	20.3	1.92	3.55	.42	.26	1.74	2.50	22	18.8	1.6	723	100668
	48	18.8	24.2	3.10	3.58	.44	.26	2.28	1.73	24	19.6	1.6	726	100669
G025	5	15.2	24.8	2.36	3.44	.14	.37	2.11	1.63	20	16.7	1.1	728	100670
	20	18.3	27.5	2.77	3.40	.24	.33	2.23	1.70	19	17.8	1.2	764	100671
	30	16.1	26.9	2.31	3.81	.35	.37	2.13	1.72	21	17.3	1.2	692	100672
	44	11.1	26.9	2.46	4.27	.38	.45	2.15	1.83	21	17.3	1.0	689	100673

Core	Depth cm	Si _n %	Si _r %	Al _n %	Al _r %	Mg _n %	Mg _r %	K _n %	K _r %	Li _r %	CaCO ₃ %	C _{org} %	Residue mg	ID
G026	0	19.4	26.5	2.48	2.86	.24	.40	2.27	1.48	15	9.0	.9	726	100674
	15	17.4	27.6	2.44	2.82	0.00	.31	0.00	1.70	16	12.2	.9	774	100675
	30	17.4	26.6	3.98	3.87	0.00	.72	0.00	1.81	20	15.5	.7	759	100676
	45	18.2	27.2	3.22	4.00	0.00	.75	0.00	2.08	20	16.2	.7	743	100677
B028	0	13.6	17.0	4.04	3.70	.48	1.18	0.00	1.98	27	34.7	1.9	552	100678
	5	11.9	16.5	3.76	3.49	.34	1.18	0.00	2.04	35	34.3	2.0	479	100679
	10	12.2	15.2	3.69	3.30	.39	1.23	0.00	1.68	33	39.2	2.1	490	100680
	15	11.1	15.2	2.83	2.90	.33	1.26	0.00	1.62	30	36.2	1.9	478	100681
	20	10.9	15.1	3.25	3.02	.43	1.17	0.00	1.54	31	39.7	2.1	503	100682
	25	11.4	15.6	4.02	2.36	.39	1.23	0.00	1.57	26	38.3	2.1	503	100683
30	9.9	15.2	3.93	2.16	.41	1.31	0.00	1.50	32	39.0	2.1	516	100684	
P029	5	10.1	17.3	1.72	4.01	.45	1.32	1.31	2.07	27	34.2	1.6	571	100693
	10	12.7	20.0	2.69	7.47	.53	1.30	1.87	2.66	37	19.8	.9	738	100694
	20	13.0	20.4	4.12	7.76	.43	1.37	1.88	2.49	45	14.7	.7	775	100695
	30	15.6	21.8	4.97	7.51	.59	1.42	1.90	2.73	43	10.5	.7	803	100696
	40	15.3	21.9	3.26	6.04	.34	1.06	1.62	2.26	33	12.2	.6	784	100697
	50	12.3	21.1	2.66	6.03	.28	.88	1.68	2.26	39	12.7	.6	726	100698
	60	11.4	20.9	2.79	7.07	.41	1.09	1.78	2.81	47	10.3	.6	777	100699
	70	18.6	20.5	4.58	7.19	.49	1.14	1.85	2.77	53	10.4	.7	798	100700
	80	19.2	20.1	5.02	7.37	.56	1.28	1.89	2.73	53	8.0	.7	832	100701
	90	19.5	19.7	4.79	6.92	.50	1.20	1.91	2.49	48	8.1	.5	808	100702
	100	17.9	28.4	4.68	7.97	.60	1.45	1.98	2.85	54	7.6	.6	834	100703
	110	15.5	27.3	4.95	7.25	.51	1.25	1.85	2.76	54	9.5	.6	827	100704
	120	15.3	25.5	4.96	7.58	.56	1.59	1.82	2.76	55	9.5	.6	775	100705
	130	16.9	25.3	5.45	8.29	.60	1.63	2.01	2.90	55	8.2	.7	825	100706
	140	16.5	28.9	5.16	8.05	.53	1.41	1.92	2.85	56	7.7	.6	783	100707
	150	16.0	28.2	5.27	8.06	.64	1.52	2.14	2.79	56	7.8	.6	859	100708
	160	17.4	29.1	5.81	7.88	.60	1.39	2.03	2.78	55	7.6	.6	822	100709
	170	16.6	28.2	5.88	7.83	.59	1.36	2.07	2.79	57	7.7	.6	830	100710
	180	14.4	29.4	4.79	7.89	.57	1.53	1.98	2.78	55	7.6	.6	822	100711
	190	15.0	27.9	5.09	8.16	.61	1.56	1.93	2.80	51	8.3	.6	845	100712
200	13.9	25.8	6.21	7.84	.57	1.65	2.15	2.64	56	7.5	.6	858	100713	
210	10.3	26.5	3.90	6.19	.34	1.26	1.69	2.38	48	9.1	.5	733	100714	
220	8.8	27.1	3.71	6.11	.35	1.22	1.82	2.32	47	8.2	.4	770	100715	
230	10.0	26.1	3.73	6.37	.37	1.23	1.71	2.24	48	8.0	.4	746	100716	
240	12.9	30.4	4.11	6.76	1.13	1.19	1.61	2.88	45	8.7	.4	728	100717	
250	15.7	29.3	4.44	6.76	1.20	1.18	1.66	2.86	44	8.2	.4	792	100718	
280	14.1	28.4	5.11	7.12	1.18	1.11	1.78	2.92	46	6.1	.4	811	100719	
290	16.4	27.2	4.94	7.22	1.13	1.13	1.65	3.04	46	7.0	.4	795	100720	
300	16.3	29.6	5.76	9.23	1.50	1.33	2.12	3.58	58	6.2	.4	834	100721	
P029A	79	14.3	22.0	3.41	6.35	.43	1.82	0.00	2.34	40	30.4	1.6	566	100691
	140	18.7	24.2	5.99	7.55	.55	1.80	0.00	2.61	63	7.3	.7	832	100687
	140	17.7	24.1	6.11	8.25	.56	1.46	0.00	2.64	21	8.0	.7	842	100692
	293	20.5	27.9	5.78	7.34	.21	.94	0.00	2.51	51	6.8	.4	820	100690
	445	18.1	25.2	6.68	8.11	.56	1.58	0.00	2.65	66	5.9	.4	863	100686
	445	19.0	24.3	5.97	8.32	.46	1.26	0.00	2.79	62	9.0	.5	808	100689
	598	19.4	25.2	7.77	7.62	.39	.66	0.00	2.38	64	6.2	.5	824	100688
	750	16.3	27.3	5.75	7.24	.44	1.62	0.00	2.52	59	7.3	.6	839	100685
T029	5	9.5	16.0	1.48	3.11	.34	1.15	1.19	1.73	24	39.1	2.0	497	100722
	10	10.0	16.6	1.60	3.19	.34	1.15	1.26	1.77	23	38.4	2.0	507	100723
	15	10.4	16.4	1.47	3.26	.37	1.16	1.12	1.81	25	37.5	1.9	495	100724
	20	11.3	16.0	1.72	3.16	.35	1.14	1.19	1.81	24	39.2	2.0	503	100725
	30	11.2	16.3	1.49	2.83	.36	1.14	1.03	1.67	21	32.4	1.7	487	100726
	40	12.2	17.5	1.92	3.46	.42	1.22	1.31	1.86	25	37.1	1.8	546	100727
50	10.4	16.6	1.41	3.28	.36	1.19	1.15	1.80	25	33.2	1.8	519	100728	
G034	0	12.6	19.0	2.40	3.79	.07	.35	0.00	1.61	28	27.1	2.6	587	100729
	15	13.6	18.9	2.35	2.93	.07	.40	0.00	1.38	28	27.3	2.7	613	100730
	30	13.8	18.7	2.29	3.79	.07	.40	0.00	1.47	29	26.0	2.6	624	100731
	40	14.4	17.9	2.06	3.24	.05	.38	0.00	1.44	28	29.2	2.5	615	100732

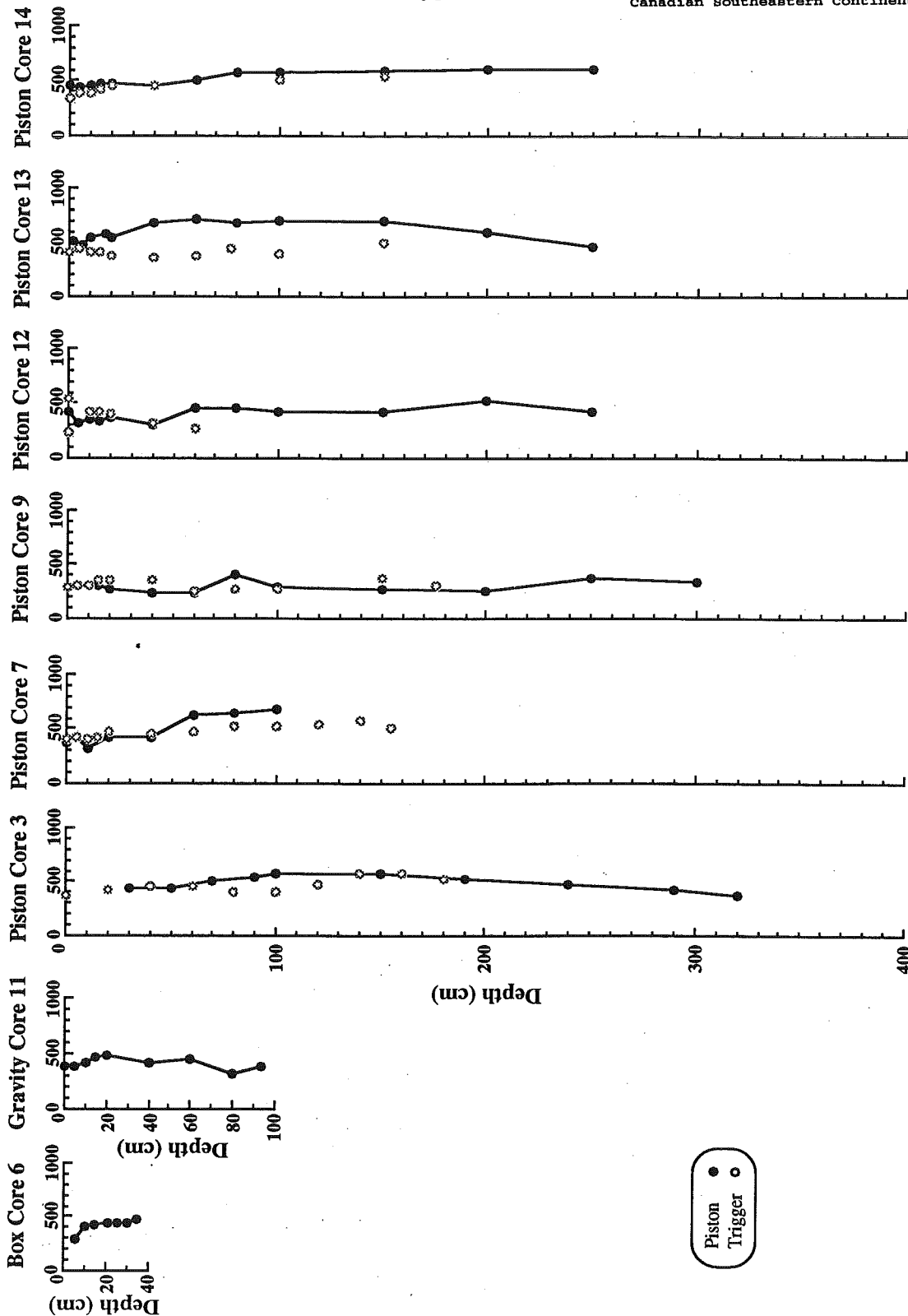
Core	Depth cm	Si _r %	Si _r %	Al _r %	Al _r %	Mg _r %	Mg _r %	K _r %	K _r %	Li _r %	CaCO ₃ %	C _{org} %	Residue mg	ID
G035	0	17.8	21.3	2.89	3.43	.01	.25	0.00	1.55	24	22.7	2.0	671	100733
	25	18.2	20.3	2.88	3.16	.04	.35	0.00	1.35	24	23.7	1.9	671	100734
	50	17.8	26.0	2.93	3.45	0.00	.40	0.00	1.57	27	19.0	1.8	689	100735
	75	14.8	23.1	2.94	3.46	.11	.40	0.00	1.51	27	23.9	2.6	598	100736
	100	16.5	22.8	3.52	3.32	.10	.40	0.00	1.44	27	22.6	2.4	609	100737
	110	11.7	24.0	3.06	3.26	.07	.40	0.00	1.54	27	21.6	2.4	540	100738
	120	15.1	23.2	3.57	4.11	.08	.42	0.00	1.74	26	21.4	1.8	672	100739
G036	0	19.6	22.0	2.89	3.89	0.00	.48	0.00	1.48	21	18.3	1.3	735	100740
	25	18.6	24.2	2.98	4.40	0.00	.56	0.00	1.64	25	21.5	1.7	690	100741
	50	16.8	24.2	3.28	4.60	.03	.37	0.00	1.82	24	20.2	1.2	712	100742
	67	15.9	23.6	3.14	4.57	.37	.46	0.00	1.77	24	19.4	1.4	704	100743
G037	8	14.8	27.0	3.28	3.61	.37	.14	0.00	1.74	23	12.9	1.5	761	100744
	25	14.7	22.0	3.07	3.58	.42	.25	0.00	1.41	23	17.6	1.8	702	100745
	50	21.0	23.4	2.60	3.38	.35	.15	0.00	1.57	22	18.1	1.4	742	100746
	70	20.4	20.1	3.09	3.67	.36	.33	0.00	1.47	23	18.8	1.6	718	100747
G038	0	20.4	22.1	2.24	3.46	.31	.19	0.00	1.60	20	14.2	1.4	765	100748
	5	19.9	22.3	2.64	3.28	.33	.19	0.00	1.61	20	18.2	1.1	773	100749
	10	15.1	25.1	2.87	2.84	.30	.14	0.00	1.54	20	11.6	1.2	773	100750
	15	12.9	25.2	2.40	3.28	.17	.11	0.00	1.70	20	12.5	1.1	793	100751
	20	11.8	25.3	2.30	3.23	.20	.15	0.00	1.67	24	17.0	1.3	743	100752
	30	12.0	24.9	1.91	3.21	.18	.15	0.00	1.54	18	15.9	1.1	764	100753
P040	0	8.2	22.0	3.76	5.66	1.17	1.26	1.52	2.70	32	29.1	1.3	637	100763
	5	13.3	26.7	5.01	6.12	1.23	1.20	1.67	2.80	45	15.5	.7	795	100764
	10	10.9	28.3	4.78	7.47	1.21	1.25	1.96	3.36	53	9.5	.7	815	100765
	20	12.1	27.7	5.93	7.37	1.31	1.30	1.92	3.18	60	8.4	.5	826	100766
	40	12.1	26.1	5.76	7.46	1.32	1.28	2.33	3.50	59	6.9	.6	841	100767
	60	19.1	27.5	5.38	7.46	1.31	1.31	2.07	3.40	60	6.7	.5	841	100768
	80	19.8	26.9	5.73	7.34	1.46	1.24	2.13	3.54	53	6.2	.5	857	100769
	100	18.7	28.4	3.89	5.19	.96	.97	1.84	2.62	41	7.6	.4	788	100770
	150	16.2	28.7	4.25	12.57	1.53	1.35	2.39	3.58	60	6.6	.4	858	100771
	200	15.9	29.2	5.61	10.68	1.14	1.15	1.89	3.14	46	7.8	.4	783	100772
	250	13.9	29.3	6.21	12.14	1.21	1.38	2.53	3.40	51	7.2	.3	812	100773
	300	14.2	29.9	5.87	11.31	1.26	1.22	2.53	3.30	55	5.7	.4	860	100774
	360	13.0	29.7	4.73	10.10	1.17	1.13	2.22	2.82	55	7.3	.4	815	100775
	400	13.7	27.1	5.83	11.63	1.46	1.54	2.76	3.62	54	8.9	.4	859	100776
	450	13.8	26.6	5.20	10.27	1.19	1.22	2.59	3.14	58	7.7	.5	809	100777
	500	14.6	27.6	4.40	10.45	1.17	1.13	2.10	3.26	54	7.3	.5	820	100778
	550	13.6	26.0	3.80	9.90	1.40	1.17	2.10	3.08	55	8.5	.6	833	100779
600	20.5	29.8	3.83	9.25	1.27	1.01	1.93	3.18	47	7.6	.5	846	100780	
650	17.0	28.2	5.92	9.68	1.16	1.10	1.85	3.16	56	7.9	.5	789	100781	
680	17.7	27.5	5.94	9.79	1.21	1.20	1.98	3.22	51	8.1	.5	783	100782	
T040	0	10.4	18.3	2.20	4.40	.91	1.11	1.06	2.06	29	37.7	2.3	514	100754
	5	10.4	17.1	2.20	3.97	.86	1.05	1.05	2.00	27	39.2	2.3	499	100755
	10	9.2	16.0	1.83	3.55	.80	1.03	.97	2.10	21	39.4	2.3	479	100756
	20	9.5	16.2	2.02	3.83	.90	1.00	.99	2.18	21	37.3	2.2	509	100757
	40	7.7	17.8	1.79	4.36	.97	1.22	1.12	2.36	27	34.2	1.9	516	100758
	60	9.1	19.7	2.46	5.30	1.16	1.41	1.45	2.84	37	26.5	1.2	605	100759
	80	11.5	21.4	3.06	5.91	1.33	1.47	1.80	3.10	35	21.2	1.0	721	100760
	100	12.1	26.1	2.68	6.10	1.25	1.48	1.77	3.34	41	19.4	1.0	730	100761
	100	19.4	24.3	4.59	6.14	.53	1.54	1.42	2.84	46	17.7	.9	694	100792
	110	20.3	25.5	4.52	5.74	.50	1.25	1.41	3.27	46	16.2	.9	701	100793
	120	17.4	25.1	4.47	6.15	.55	1.05	1.40	2.96	46	16.9	.9	690	100794
	130	19.8	25.7	3.95	6.32	.50	1.11	1.32	3.04	42	17.6	.9	706	100795
	138	18.1	25.0	4.13	6.29	.50	1.20	1.41	3.00	47	14.5	.9	733	100796
	140	15.2	25.8	6.04	7.12	1.32	1.45	1.89	3.52	39	17.2	.9	768	100762
B044	0	9.8	25.6	4.02	7.80	.57	1.39	0.00	2.35	49	8.0	.7	819	100783
	5	13.6	26.1	5.43	8.13	.81	1.33	0.00	2.62	54	7.2	.6	824	100784
	10	14.5	24.8	5.93	7.68	.86	1.50	0.00	2.31	51	9.7	.6	773	100785

Core	Depth cm	Si _n %	Si _r %	Al _n %	Al _r %	Mg _n %	Mg _r %	K _n %	K _r %	Li _n %	CaCO ₃ %	C _{org} %	Residue mg	ID
B044	15	17.0	26.6	6.05	8.25	.85	1.50	0.00	2.57	54	7.7	.6	824	100786
	20	13.7	24.8	5.59	7.81	.81	1.41	0.00	2.47	61	8.6	.7	801	100787
	25	14.8	24.0	5.21	7.18	.71	1.56	0.00	2.57	54	11.8	.8	771	100788
	30	15.9	27.3	5.63	7.03	.64	1.41	0.00	2.87	57	9.0	.7	746	100789
	35	17.9	25.8	5.65	7.66	.62	1.82	1.57	3.24	57	11.4	.7	747	100790
	40	15.6	19.2	3.39	4.37	.61	1.53	1.10	2.13	35	31.8	1.3	554	100791
B049	0	15.3	19.9	2.88	4.15	.57	1.90	1.10	2.16	33	29.7	1.5	563	100798
	5	12.0	20.2	2.90	4.14	.59	1.95	1.13	2.09	32	28.0	1.6	574	100799
	10	13.8	19.7	2.78	4.68	.58	2.04	1.10	2.29	31	29.4	1.6	574	100800
	15	14.9	19.4	3.27	4.48	.58	2.03	1.12	2.27	33	29.2	1.5	561	100801
	20	13.8	19.1	3.66	4.47	.62	2.17	1.23	2.58	36	28.1	1.4	596	100802
	25	14.9	21.3	3.67	5.50	.63	2.65	1.21	2.67	39	26.8	1.3	588	100803
	30	14.3	19.9	3.31	5.15	.60	2.52	1.13	2.56	36	25.2	1.2	531	100804
G050	0	24.0	20.5	1.22	1.79	0.00	.66	.68	1.13	16	16.8	.7	725	100807
	20	19.9	26.6	2.10	2.83	0.00	1.01	.85	1.62	22	20.4	.5	721	100808
	40	21.0	28.2	2.50	3.73	.02	.91	.96	1.67	29	13.7	.5	750	100809
	60	22.4	28.8	1.78	2.91	0.00	.76	.82	1.60	23	13.6	.3	781	100810
	80	20.2	29.6	2.76	4.22	.02	.95	1.08	2.09	30	10.1	.4	795	100811
	100	20.9	29.7	2.73	4.34	.02	.97	1.07	2.44	39	10.3	.5	761	100812
G051	0	19.4	29.0	3.34	5.59	.15	1.72	1.40	2.69	30	6.2	.4	831	100813
	10	17.2	27.2	4.97	6.35	.44	2.03	1.51	3.18	33	5.2	.4	781	100814
	20	16.1	28.2	4.16	6.33	.25	2.02	1.28	3.35	36	5.8	.4	762	100815
	30	17.7	28.3	3.97	6.07	.14	1.95	1.23	3.31	35	4.8	.4	792	100816
	40	20.4	28.5	4.11	5.73	.12	1.71	1.29	2.58	33	5.8	.4	823	100817
	50	19.7	29.4	4.08	5.39	.07	1.55	1.27	2.82	31	6.0	.4	788	100818
GRAB054	10	29.6	34.1	.38	.14	0.00	.04	.47	.65	12	9.9	.6	815	100805
GRAB055	10	30.5	36.8	.31	.27	0.00	0.00	.39	.69	10	5.8	.3	896	100806
P059	0	13.9	16.9	3.07	3.73	.27	2.30	.93	1.85	30	37.5	.5	513	100828
	5	15.5	17.5	3.56	4.10	.41	2.63	1.08	2.00	30	35.1	.5	552	100829
	10	16.6	18.6	4.42	5.73	.54	3.65	1.33	2.38	47	26.3	.5	625	100830
	20	16.5	21.9	4.29	5.23	.49	3.28	1.33	2.29	53	26.7	.5	637	100831
	40	17.7	22.6	4.71	6.01	.41	2.44	1.37	2.25	54	19.7	.5	687	100832
	60	16.9	22.9	5.20	6.93	.57	3.14	1.42	2.95	53	19.2	.6	687	100833
	80	19.4	27.1	4.55	5.94	.29	2.14	1.36	2.73	43	14.7	.4	742	100834
	100	15.8	24.0	5.42	8.38	.63	3.46	1.38	3.64	61	15.6	.6	729	100835
	140	18.2	25.5	5.29	7.66	.55	2.97	1.47	3.44	49	14.6	.5	743	100836
	150	19.2	26.9	5.06	6.50	.40	2.42	1.48	2.65	44	14.6	.5	750	100837
	200	19.5	29.4	3.91	6.11	.11	1.41	1.28	2.84	40	13.1	.3	746	100838
	250	18.6	29.7	2.13	4.04	0.00	.57	.90	2.15	21	10.5	.3	698	100839
	295	23.9	28.0	2.95	5.70	.02	1.93	1.25	2.32	30	10.0	.3	823	100840
	350	23.2	27.2	4.62	7.01	.56	1.73	1.55	2.69	53	7.3	.6	735	100841
	400	22.3	23.4	4.97	6.60	.65	2.03	1.89	2.33	49	18.5	.5	712	100842
445	26.5	26.6	3.61	4.30	.18	1.02	1.51	1.73	30	11.7	.3	753	100843	
T059	0	13.3	17.6	3.47	3.56	.35	2.14	1.02	1.80	28	36.0	.5	538	100819
	5	14.9	18.2	4.26	5.14	.52	3.60	1.29	2.42	37	27.9	.5	610	100820
	10	15.9	18.1	4.39	5.16	.56	3.61	1.33	2.62	54	26.5	.6	610	100821
	20	16.5	19.3	4.99	5.92	.54	3.35	1.36	3.09	46	26.7	.5	624	100822
	40	17.3	21.0	4.66	6.41	.33	2.49	1.28	2.65	48	19.5	.5	650	100823
	60	16.2	20.7	5.15	6.65	.45	2.76	1.44	2.76	53	18.9	.7	718	100824
	80	19.8	24.5	5.04	6.06	.28	2.65	1.47	2.38	44	15.6	.5	736	100825
	100	19.2	24.1	5.04	6.09	.31	2.80	1.51	2.95	43	14.7	.5	758	100826
	136	17.0	20.6	4.80	6.44	.53	2.77	1.40	2.65	51	19.7	.7	691	100827
G068	0	32.3	42.0	1.08	.30	0.00	.01	.67	.68	9	.5	.2	946	100844
B069	0	28.6	26.7	3.07	5.57	.17	2.55	1.64	2.20	28	4.0	1.1	877	100845
	5	30.6	28.2	3.19	5.14	.39	2.00	1.69	2.60	29	5.2	1.1	850	100846
	10	28.8	28.1	2.41	4.40	.13	1.86	1.50	2.11	31	5.0	1.0	837	100847

Core	Depth cm	Si _x %	Si _T %	Al _x %	Al _T %	Mg _x %	Mg _T %	K _x %	K _T %	Li _T %	CaCO ₃ %	C _{org} %	Residue mg	ID
B069	15	30.0	29.5	2.29	3.88	.14	1.76	1.55	2.10	29	5.7	.9	855	100848
	20	23.1	27.7	1.06	5.53	0.00	1.89	1.04	2.14	33	6.0	.9	856	100849
	25	24.7	27.1	1.73	5.68	.07	2.05	1.48	2.48	31	5.5	.9	842	100850
	30	26.0	27.7	2.31	5.17	.16	1.64	1.55	2.19	29	6.2	.9	855	100851
	35	30.1	28.6	2.21	5.29	.16	1.49	1.54	2.24	30	5.5	.9	856	100852
P074	0	25.0	21.2	3.84	6.61	.89	2.03	1.88	1.93	39	17.8	.4	764	100860
	10	19.6	26.3	2.42	6.82	.65	1.50	1.57	2.29	40	13.3	.3	667	100861
	20	20.8	21.1	2.14	4.82	.29	2.08	1.35	1.94	22	24.5	.2	685	100862
	40	19.3	18.7	3.03	4.79	.88	3.09	1.62	2.16	31	30.3	.2	638	100863
	60	19.5	21.3	3.06	4.19	.34	2.34	1.34	1.75	26	31.2	.2	652	100864
	80	21.4	26.0	4.71	7.60	.86	1.54	1.63	2.50	39	13.1	.3	800	100865
	100	22.9	25.0	4.39	9.14	.91	1.56	2.00	2.46	46	5.1	.3	825	100866
	150	18.7	18.9	3.04	4.75	.79	2.68	1.65	2.08	40	31.9	.3	634	100867
	187	18.2	20.1	3.73	6.20	1.17	2.06	1.66	2.00	39	29.2	.2	612	100868
	250	19.1	18.8	3.37	4.83	.91	3.63	1.57	1.90	32	36.5	.2	594	100869
	300	18.8	21.0	3.59	5.83	.91	2.55	1.76	2.09	32	25.0	.2	683	100870
	340	14.4	18.4	1.81	3.01	.14	2.68	1.19	1.43	21	37.2	.3	568	100871
	400	16.0	17.2	2.65	4.17	.34	3.09	1.30	1.52	27	34.5	.3	570	100872
	450	18.8	19.3	3.29	4.40	.60	2.74	1.56	1.65	27	31.8	.3	663	100873
	493	13.9	18.4	3.69	5.47	.89	3.10	1.54	1.90	39	33.2	.2	572	100874
	550	14.8	19.5	3.77	5.06	1.10	2.49	1.71	1.80	40	28.3	.2	646	100875
	600	22.3	21.9	3.13	3.77	.35	2.55	1.57	1.87	31	14.8	.4	765	100876
650	24.3	22.4	4.34	5.34	.44	1.42	1.79	2.45	53	4.6	.3	840	100877	
700	16.7	13.9	3.89	3.39	1.19	2.24	1.81	2.05	44	25.2	.3	670	100878	
750	17.1	15.9	3.64	4.23	1.07	3.08	1.70	2.17	37	29.7	.2	653	100879	
800	16.0	16.4	3.32	3.35	.84	3.46	1.57	1.99	37	33.0	.2	610	100880	
T074	10	9.7	15.1	1.26	3.71	.37	1.95	.74	1.51	26	55.8	.2	385	100853
	20	17.9	18.0	2.67	5.08	.88	2.48	1.50	1.80	34	37.7	.2	553	100854
	40	24.7	23.1	2.25	4.80	.05	2.00	1.07	1.59	19	22.2	.1	723	100855
	60	20.6	22.5	2.53	4.40	.45	1.73	1.43	1.60	27	22.6	.2	703	100856
	80	25.9	23.9	4.27	6.42	.88	1.08	1.92	1.91	54	9.7	.3	805	100857
	100	23.2	23.9	3.95	8.19	.88	1.72	1.88	2.36	61	11.2	.4	739	100858
140	20.9	17.1	2.19	3.40	.16	2.74	1.23	1.24	23	35.6	.3	598	100859	
B076	0	14.2	10.6	3.18	3.11	.80	1.63	1.93	1.40	28	49.2	.5	882	100882
	5	8.8	11.5	1.50	2.44	.47	1.57	.81	1.31	27	45.7	.3	470	100883
	10	5.6	9.8	1.31	2.48	.36	1.72	.59	1.33	18	51.8	.2	356	100884
	15	8.1	10.8	2.57	2.90	.78	1.85	1.01	1.68	24	48.6	.2	449	100885
	20	9.0	6.4	2.83	2.17	.91	1.18	1.43	1.03	32	42.5	.2	523	100886
	25	7.9	12.8	1.66	3.19	.31	2.03	1.00	1.69	24	35.0	.2	458	100887
	30	10.0	15.7	2.85	3.20	.18	1.59	1.55	2.48	20	36.3	.2	588	100888
	35	11.9	16.6	2.40	3.00	.34	2.09	1.19	1.78	15	29.2	.1	618	100889
	40	13.3	16.9	3.16	3.65	.14	2.78	1.25	1.97	11	24.2	.1	668	100890
45	12.6	18.6	3.53	4.37	.32	2.17	1.35	1.98	23	21.9	.2	730	100891	
P079	0	21.3	20.6	4.87	4.54	.96	2.08	1.92	2.41	41	13.1	.5	751	100896
	5	22.8	20.0	3.57	4.12	.62	1.73	1.52	2.09	19	13.6	.3	771	100897
	10	23.5	19.0	2.89	3.43	.40	1.76	1.39	1.85	11	13.9	.2	787	100898
	20	18.6	19.4	3.90	4.34	.81	1.83	1.68	2.17	31	16.9	.4	702	100899
	40	22.4	24.8	2.29	2.33	.24	.87	1.22	1.51	7	15.1	.1	762	100900
	54	21.5	22.2	2.70	3.63	.51	1.08	1.33	1.67	62	10.9	.2	792	100901
	80	18.3	24.8	4.06	5.46	1.15	1.69	1.92	2.62	42	5.2	.4	831	100902
	100	19.8	28.3	4.76	6.82	1.05	1.82	2.02	3.09	51	7.6	.4	826	100903
	150	21.1	21.5	4.24	4.35	1.41	1.69	1.85	2.13	38	6.5	.4	681	100904
198	18.4	16.0	3.89	2.89	1.01	2.78	1.61	1.76	29	35.6	.3	591	100905	
T079	10	24.0	18.9	3.47	3.84	.55	2.46	1.58	1.94	25	19.9	.4	717	100892
	20	23.8	18.8	3.47	3.41	.63	2.08	1.54	1.98	15	21.8	.3	714	100893
	30	28.2	18.7	3.72	4.19	.90	2.44	1.98	2.12	36	22.9	.4	859	100894
	40	19.9	19.8	4.05	4.13	.96	2.12	1.62	2.09	33	16.4	.5	651	100895

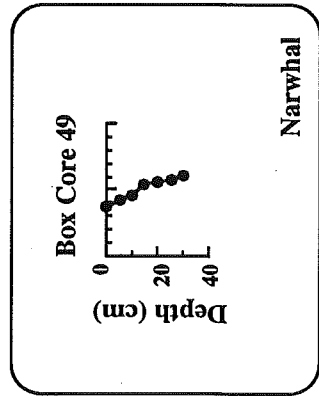
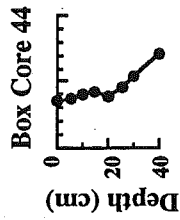
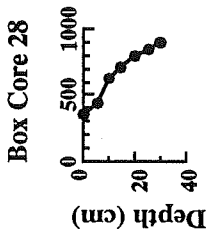
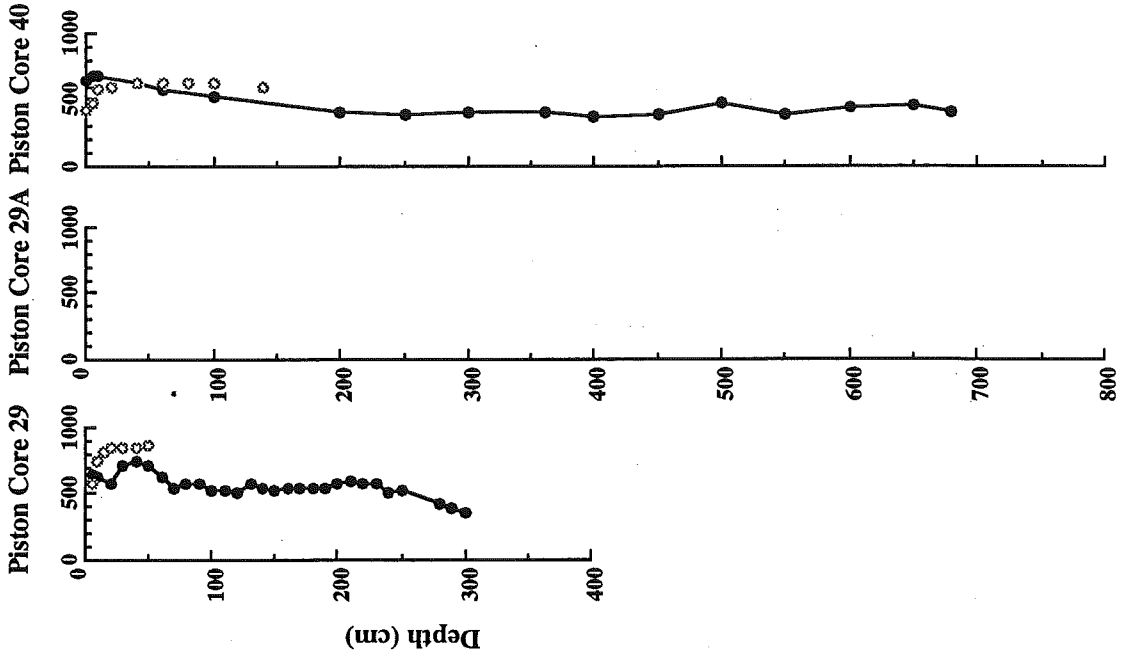
Hudson 91-020
Albatross Slope

SILICON
(pore water)
(μM)



Hudson 91-020
St. Pierre Slope

SILICON
(pore water)
(μM)



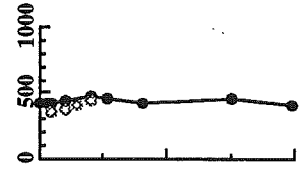
Narwhal

Piston
Trigger

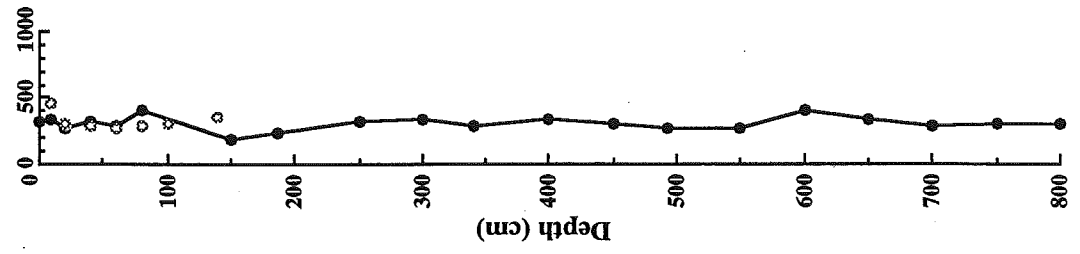
SILICON
(pore water)
(μM)

Hudson 91-020
Titanic Wreck Site & Flemish Cap

Piston Core 79

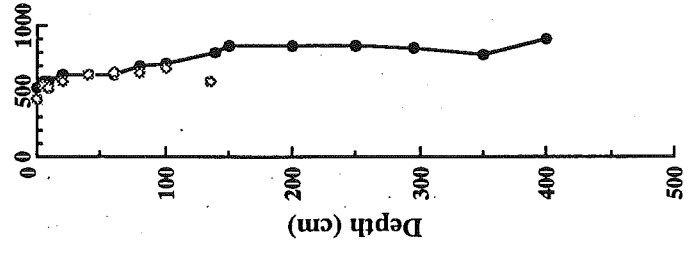


Piston Core 74

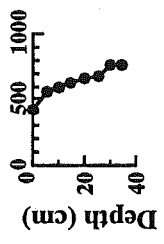


Piston ●
Trigger ○

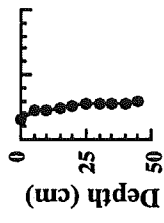
Piston Core 59



Box Core 69

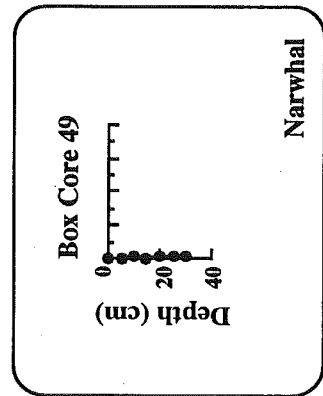
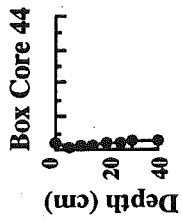
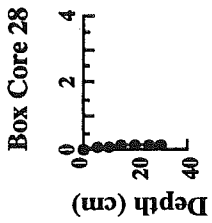
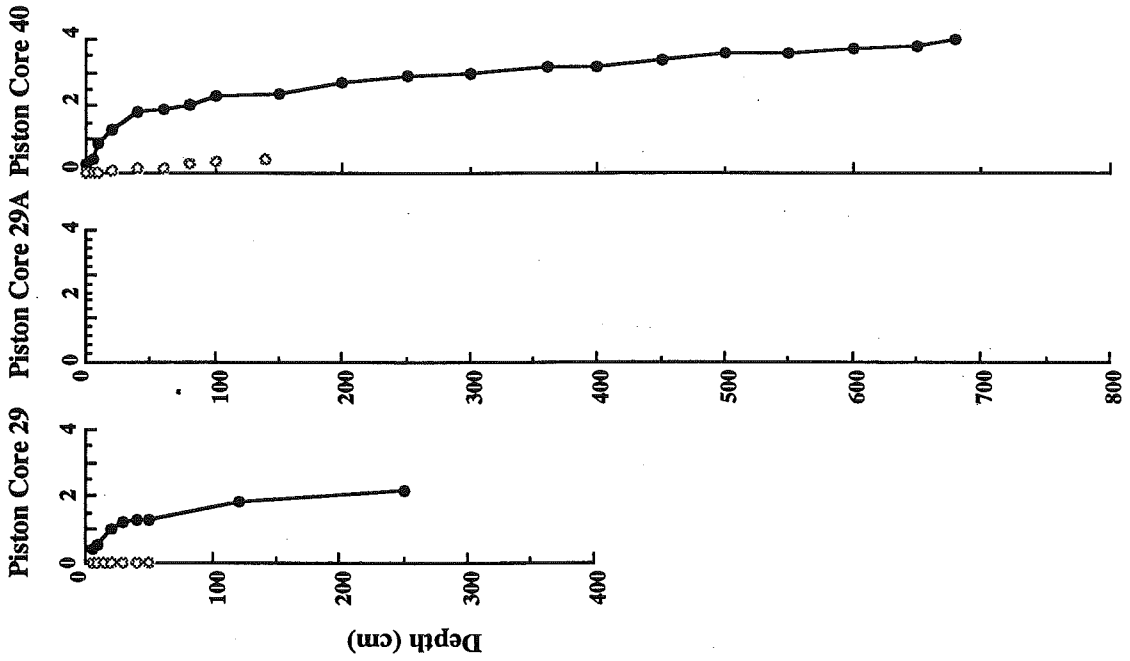


Box Core 76



Hudson 91-020
St. Pierre Slope

AMMONIUM (NH_4^+)
pore water
($\mu\text{g} \cdot \text{ml}^{-1}$)



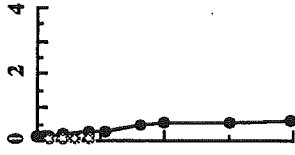
Piston ●
Trigger ○

**AMMONIUM (NH₄⁺)
pore water
($\mu\text{g} \cdot \text{ml}^{-1}$)**

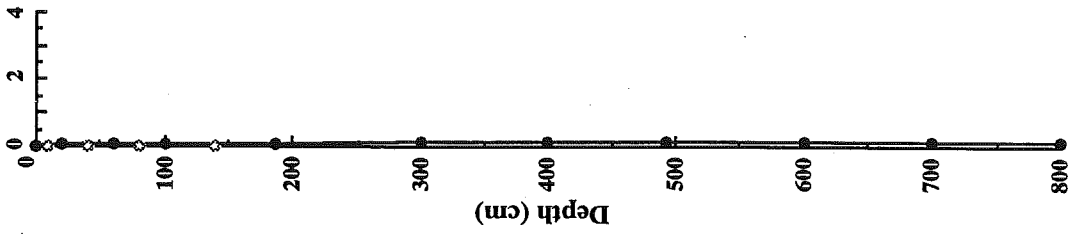
Hudson 91-020

Titanic Wreck Site & Flemish Cap

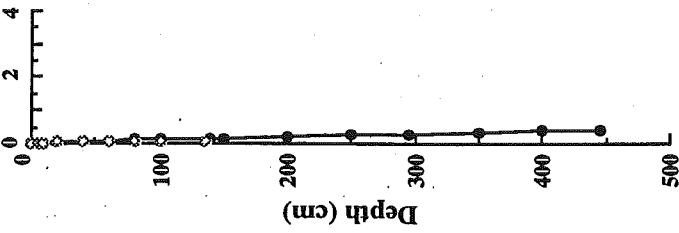
Piston Core 79



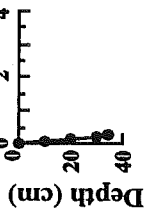
Piston Core 74



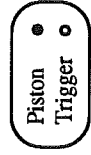
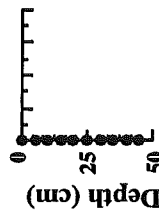
Piston Core 59



Box Core 69



Box Core 76

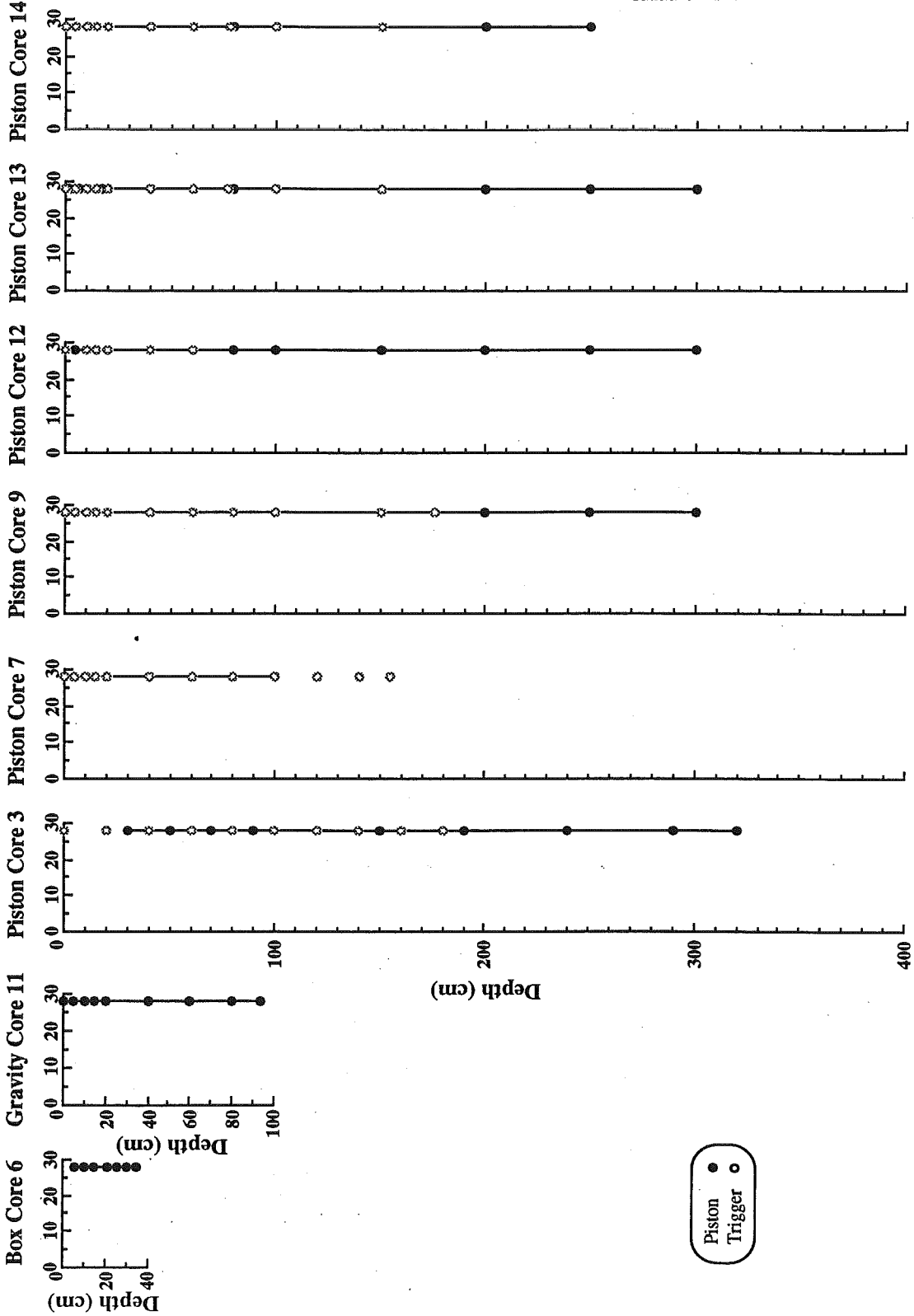


Hudson 91-020
Albatross Slope

69

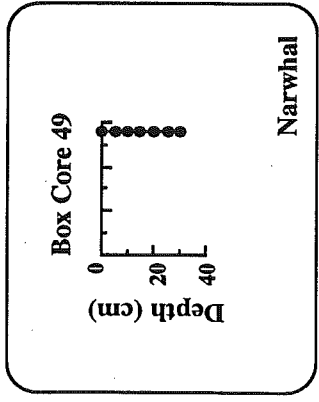
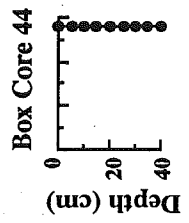
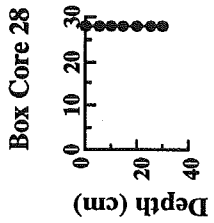
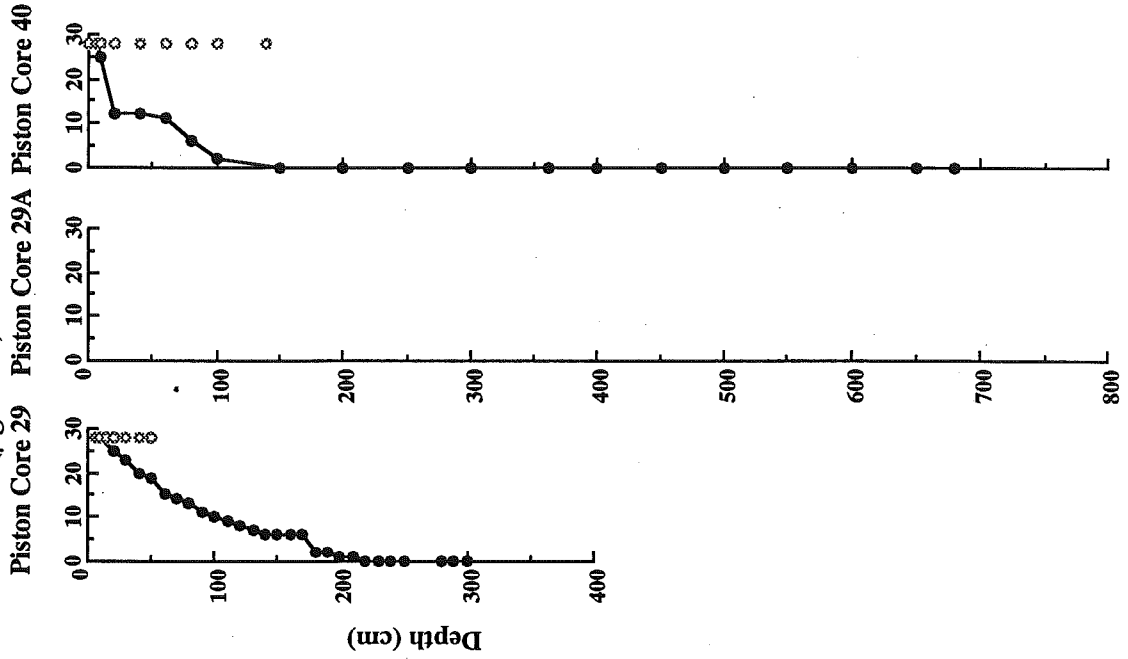
Cruise: Hudson 91020
Canadian Southeastern Continental Margin

SULPHATE (SO_4^-)
(pore water)
($\mu\text{g} \cdot \text{ml}^{-1}$)



Hudson 91-020
St. Pierre Slope

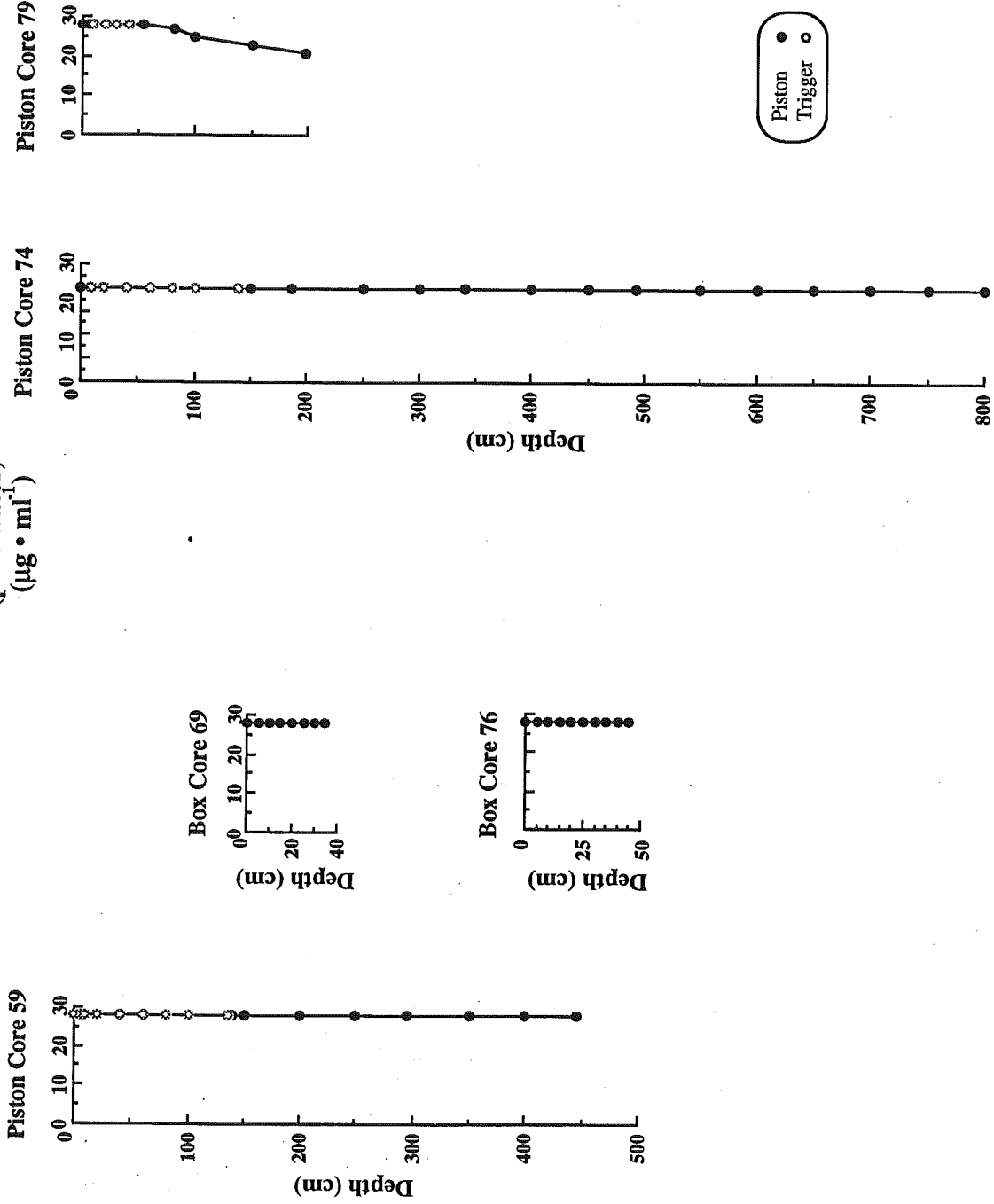
SULPHATE (SO_4)
(pore water)
($\mu\text{g} \cdot \text{ml}^{-1}$)



Piston ●
Trigger ○

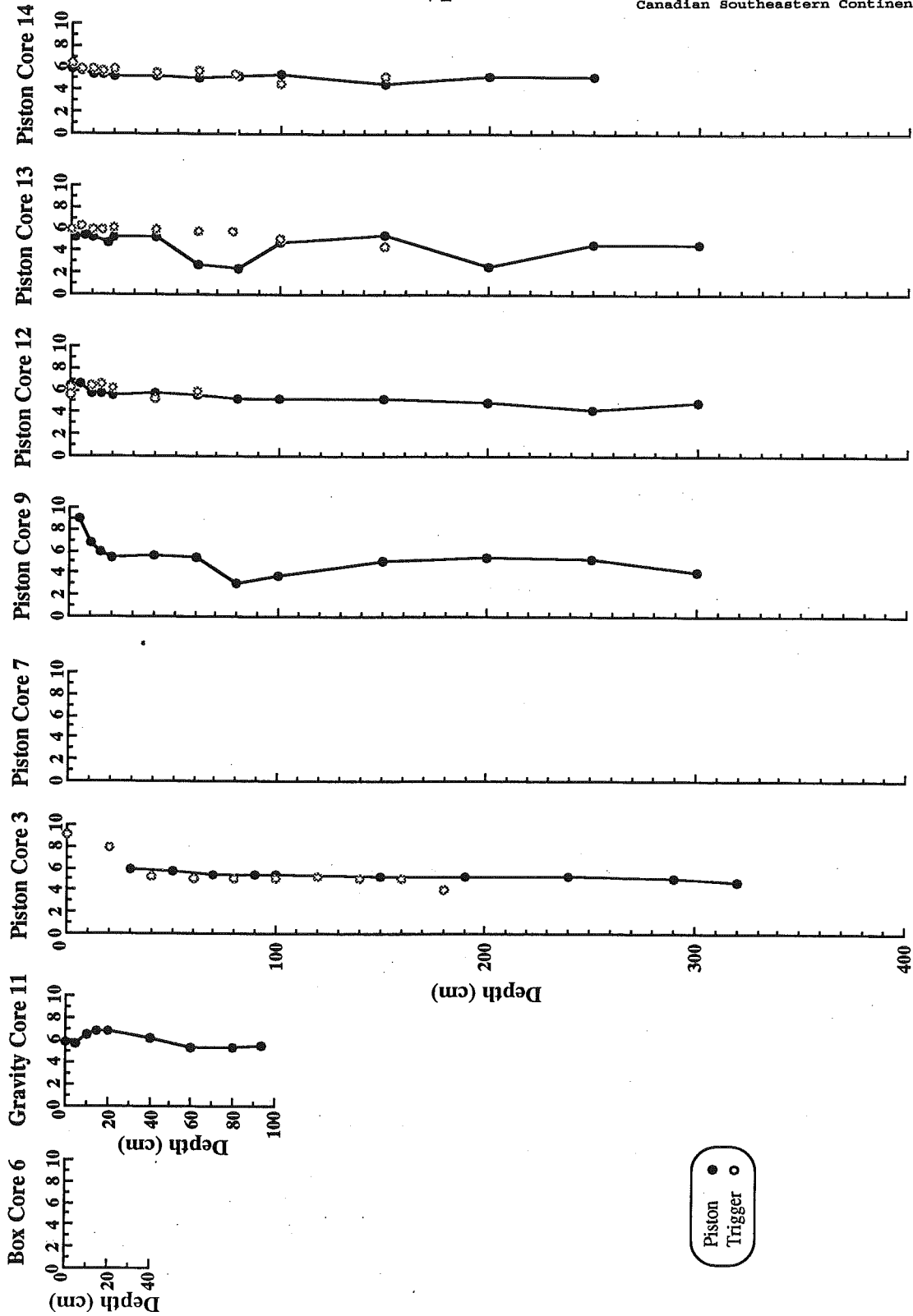
Hudson 91-020
Titanic Wreck Site & Flemish Cap

SULPHATE (SO₄)
(pore water)
($\mu\text{g} \cdot \text{ml}^{-1}$)



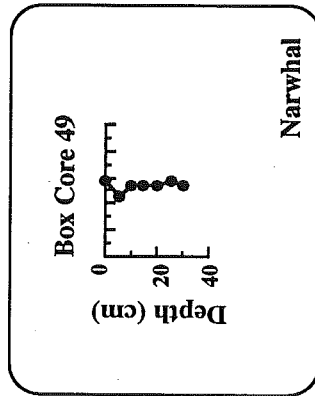
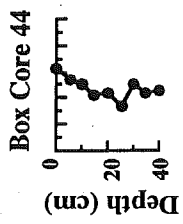
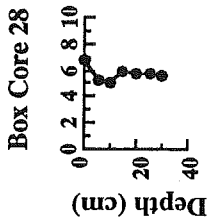
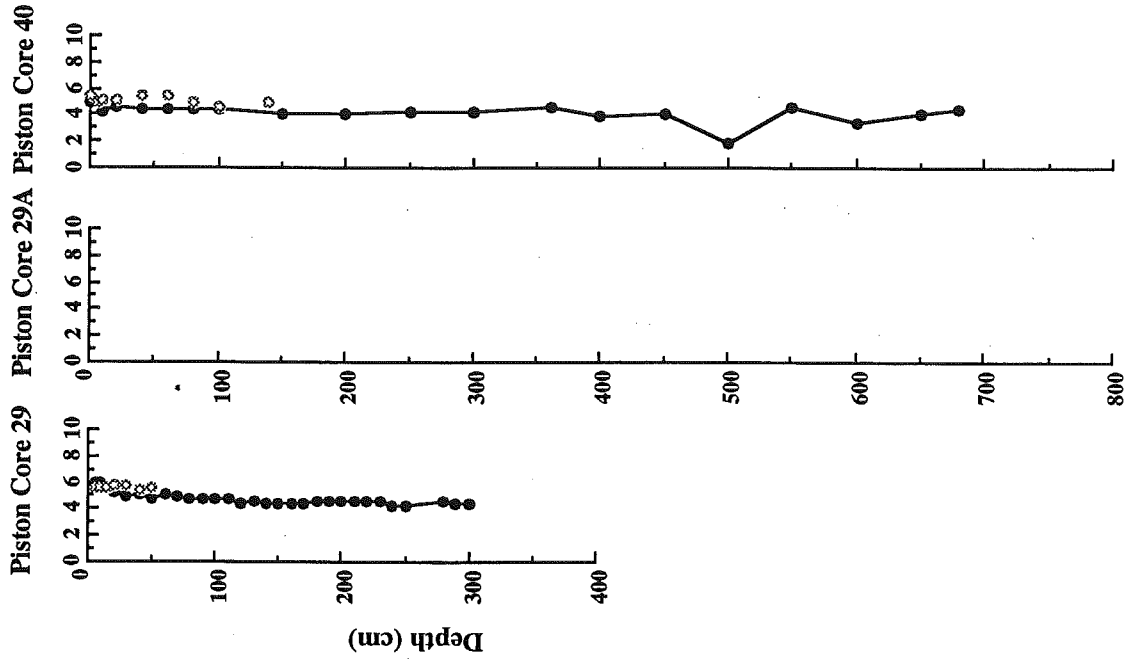
Hudson 91-020
Albatross Slope

pE (-log [e⁻])



Piston ●
Trigger ○

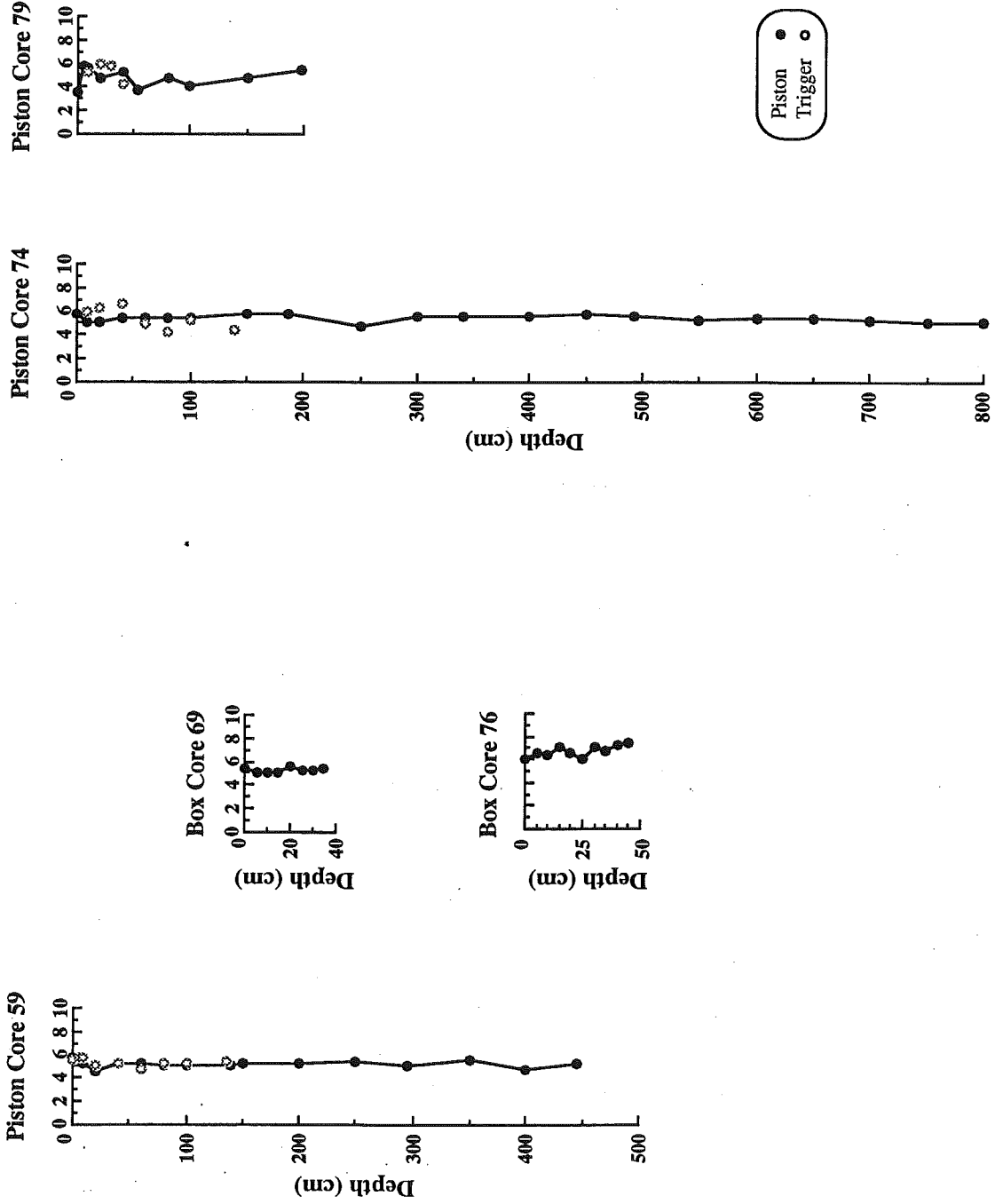
pE (-log[e⁻])



Piston ●
Trigger ○

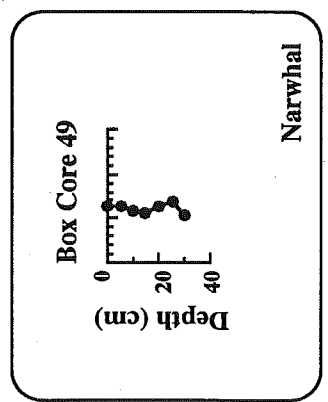
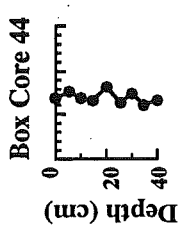
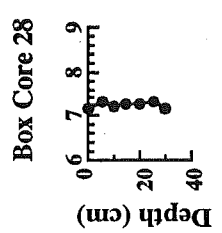
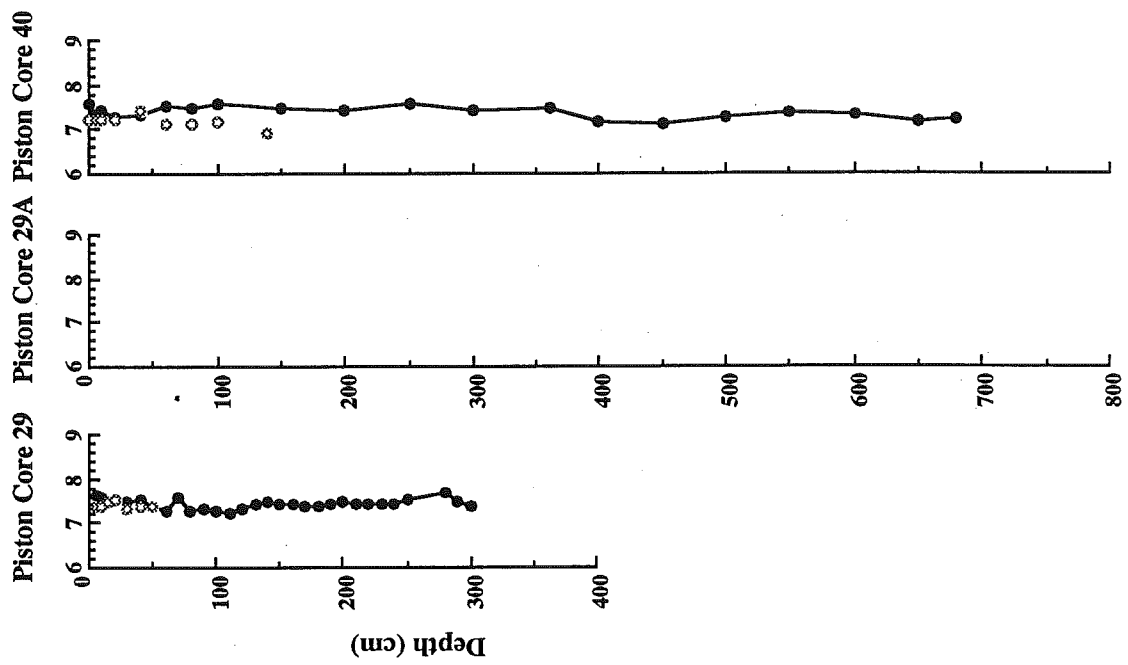
Hudson 91-020
Titanic Wreck Site & Flemish Cap

pE (-log[e])



Hudson 91-020
St. Pierre Slope

SEDIMENT pH
($-\log[H^+]$)

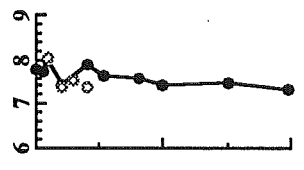


Piston ●
Trigger ○

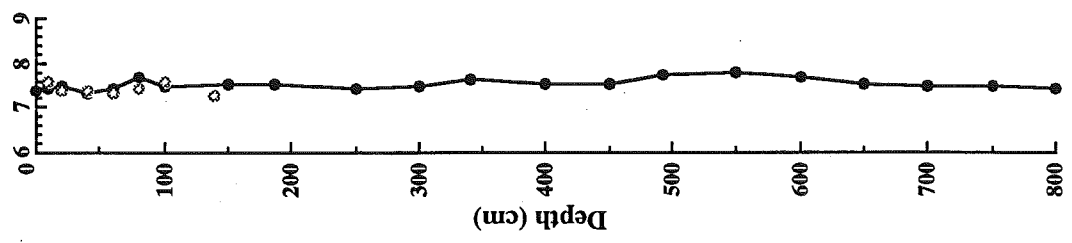
Hudson 91-020
Titanic Wreck Site & Flemish Cap

SEDIMENT pH
(-log[H⁺])

Piston Core 79

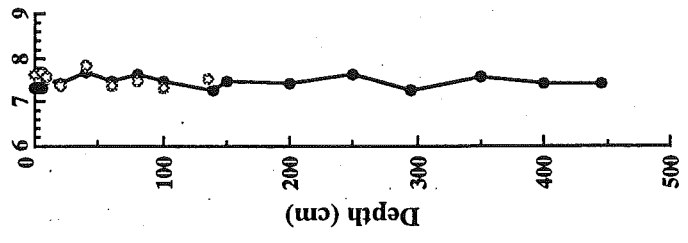


Piston Core 74

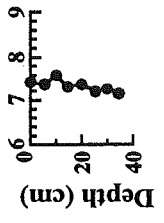


Piston ●
Trigger ○

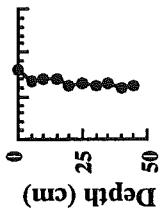
Piston Core 59



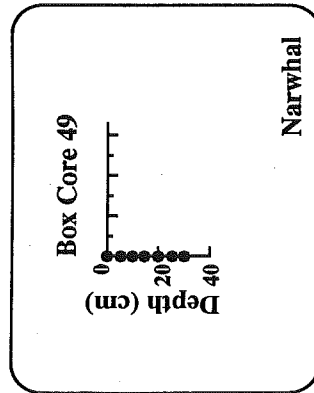
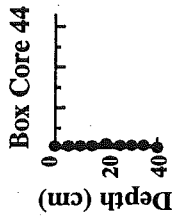
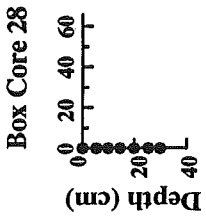
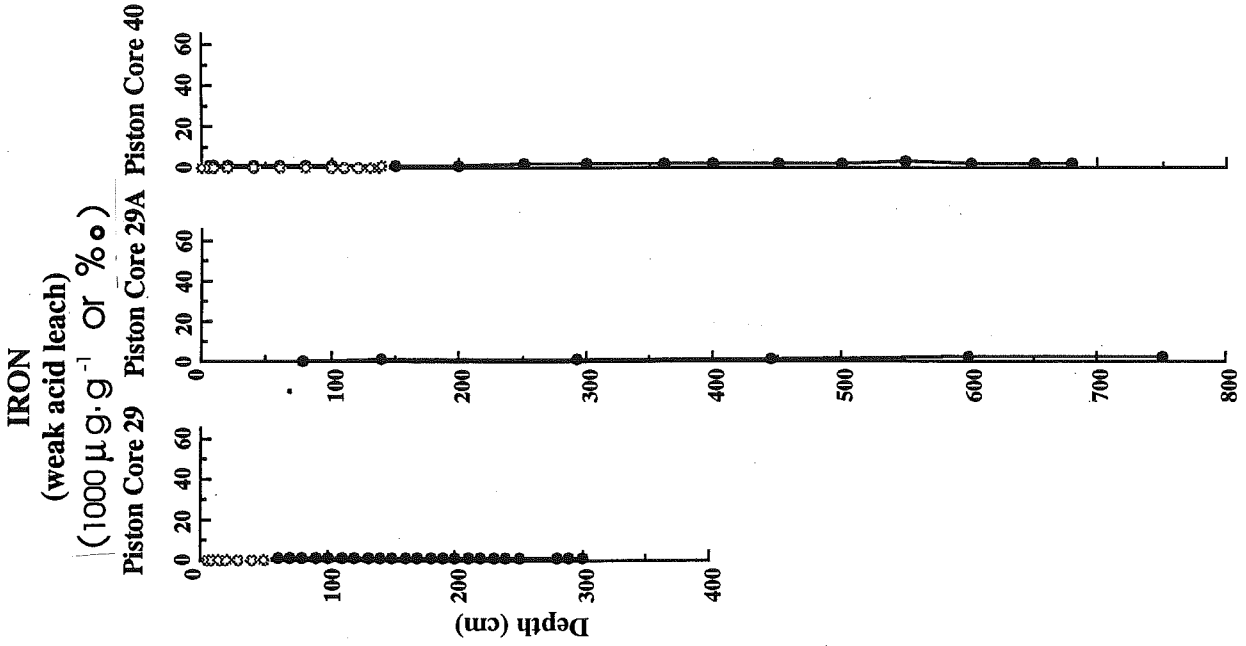
Box Core 69



Box Core 76



Hudson 91-020
St. Pierre Slope



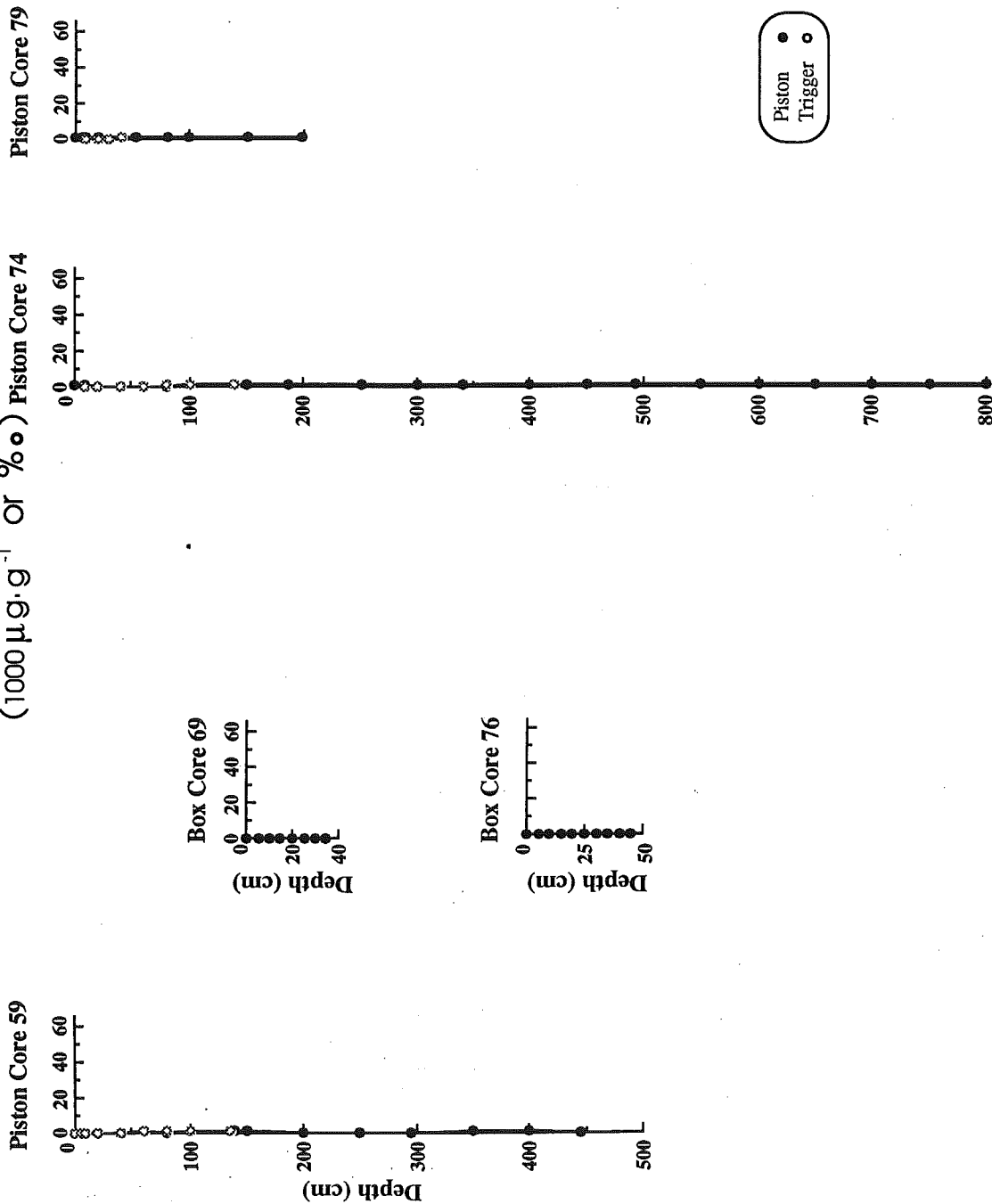
Piston ●
Trigger ○

Hudson 91-020
Titanic Wreck Site & Flemish Cap

IRON

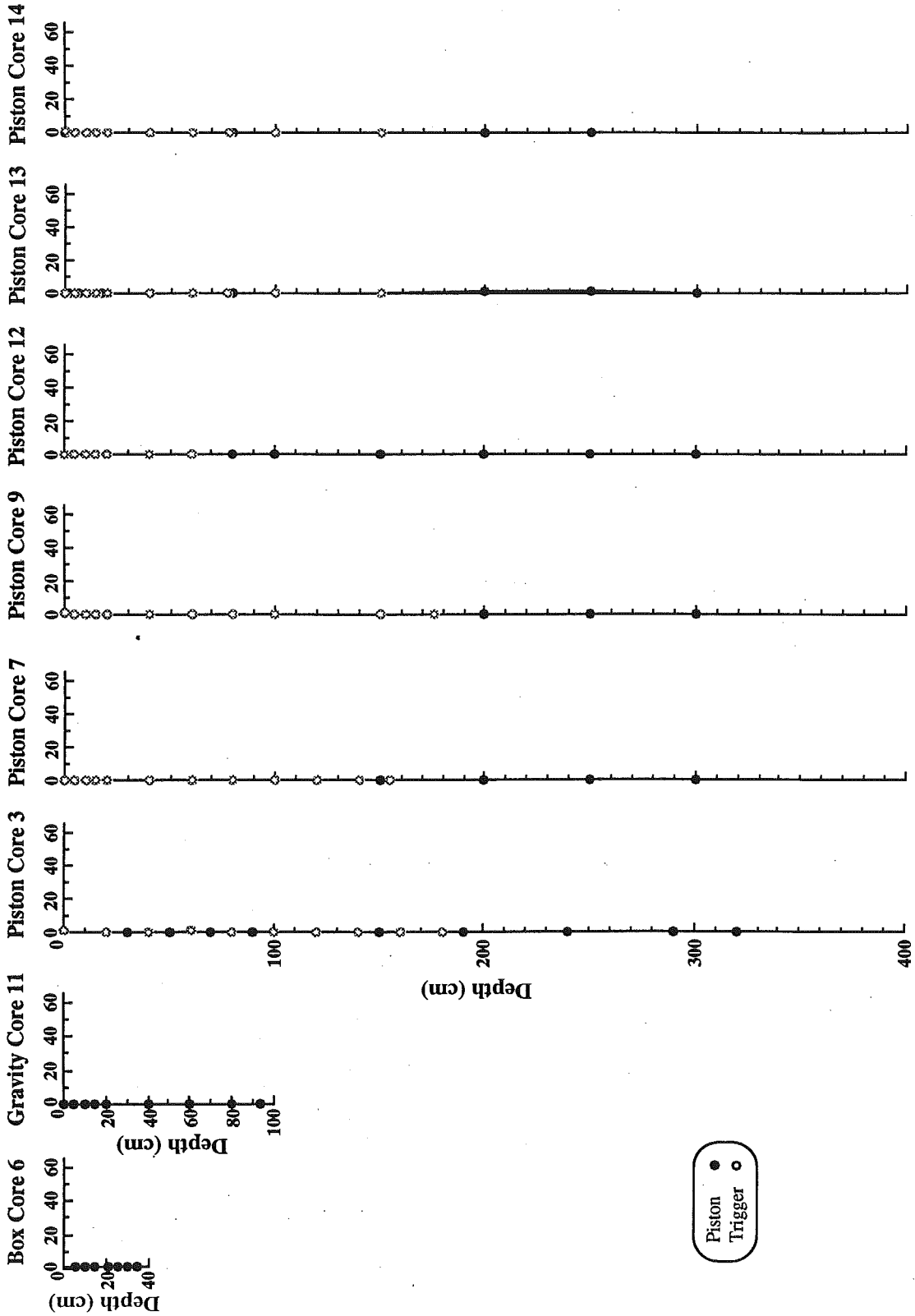
(weak acid leach)

(1000 $\mu\text{g}\cdot\text{g}^{-1}$ or ‰)

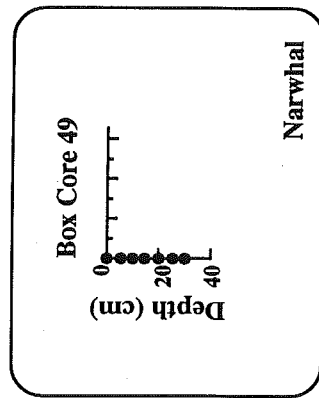
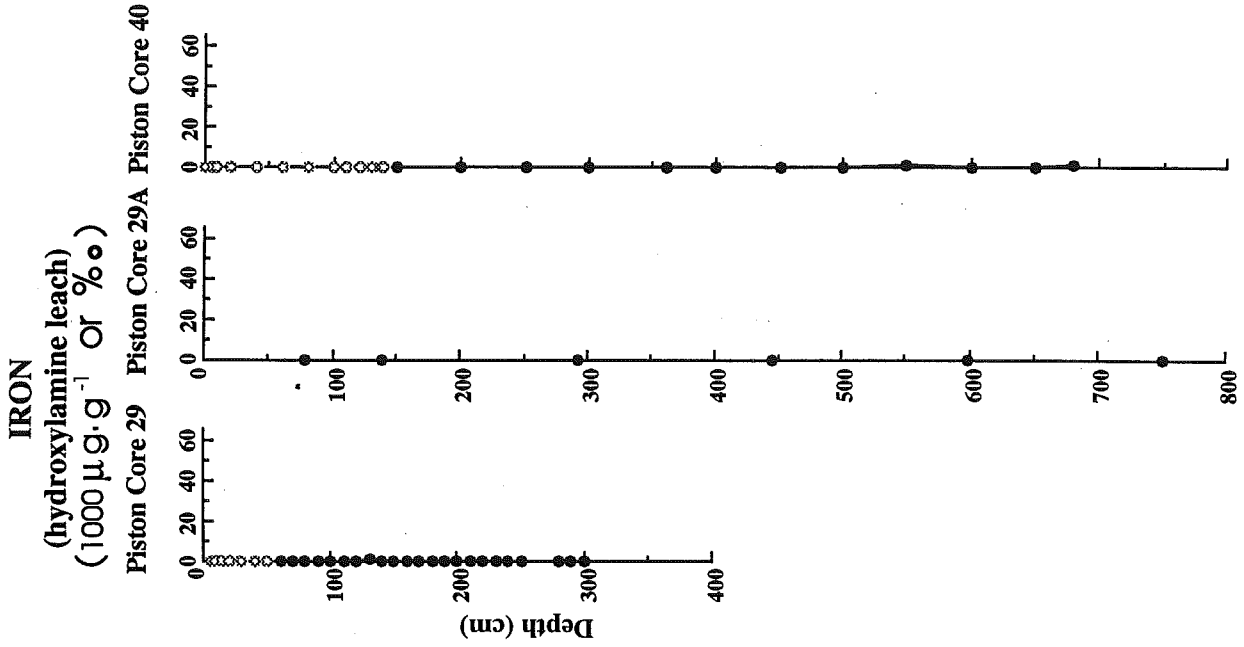


Hudson 91-020
Albatross Slope

IRON
(hydroxylamine leach)
(1000 $\mu\text{g}\cdot\text{g}^{-1}$ Or $\% \circ$)



Hudson 91-020
St. Pierre Slope



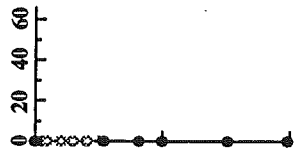
Piston ●
Trigger ○

IRON
(hydroxylamine leach)
(1000 $\mu\text{g}\cdot\text{g}^{-1}$ Or %)

Hudson 91-020

Titanic Wreck Site & Flemish Cap

Piston Core 79

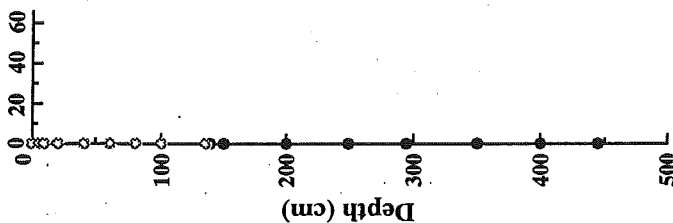


Piston Core 74

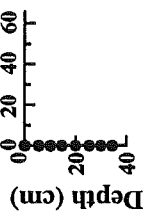


Piston ●
Trigger ○

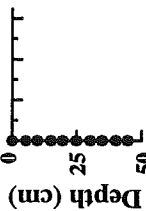
Piston Core 59



Box Core 69

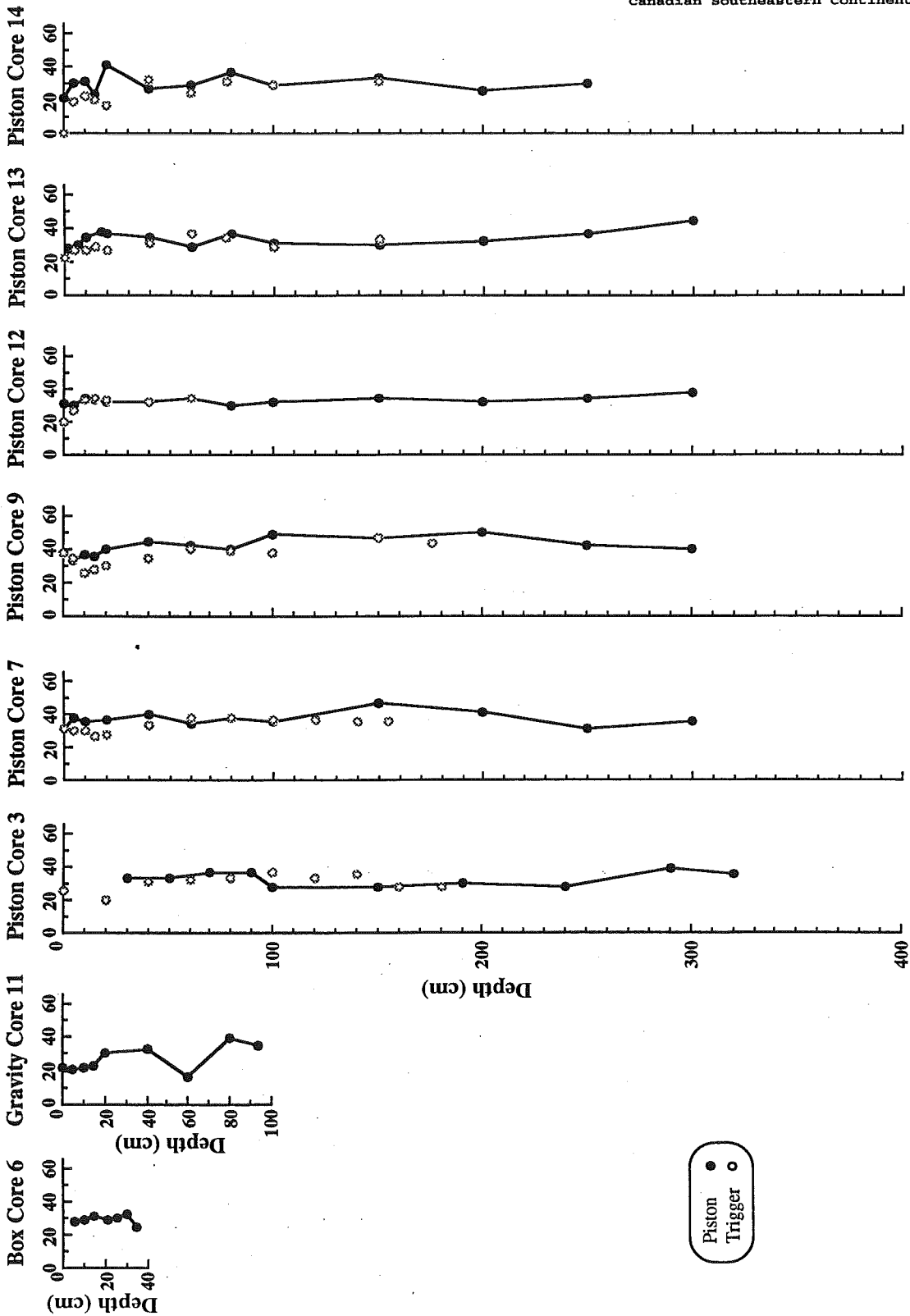


Box Core 76



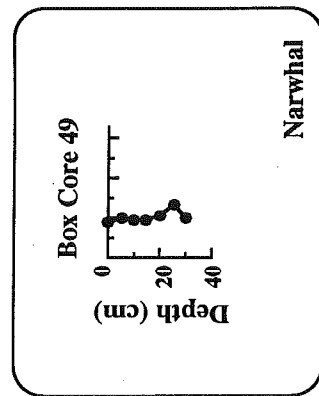
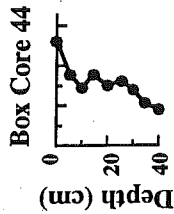
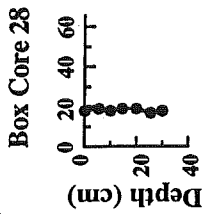
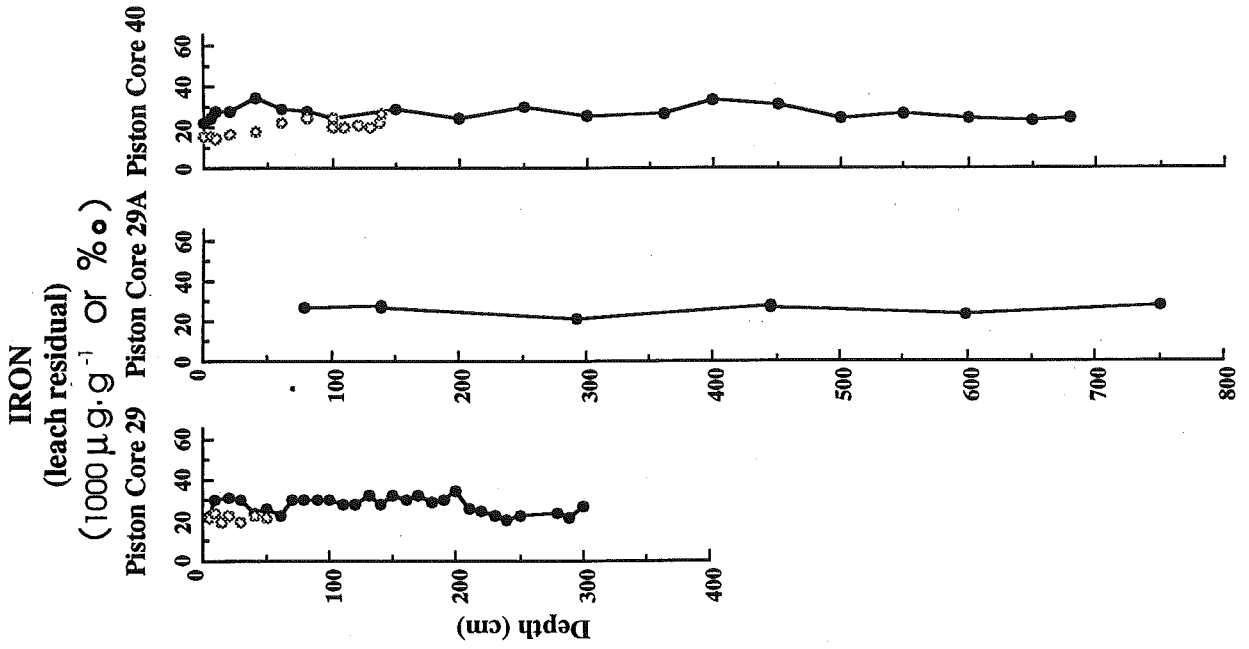
Hudson 91-020
Albatross Slope

IRON
(leach residual)
($1000 \mu\text{g}\cdot\text{g}^{-1}$ or $\%$)



Piston ●
Trigger ○

Hudson 91-020
St. Pierre Slope



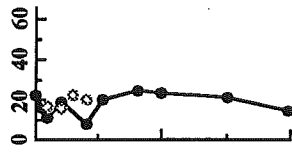
Piston ●
Trigger ○

IRON
(leach residual)
(1000 $\mu\text{g}\cdot\text{g}^{-1}$ Or $\% \circ \circ$)

Hudson 91-020

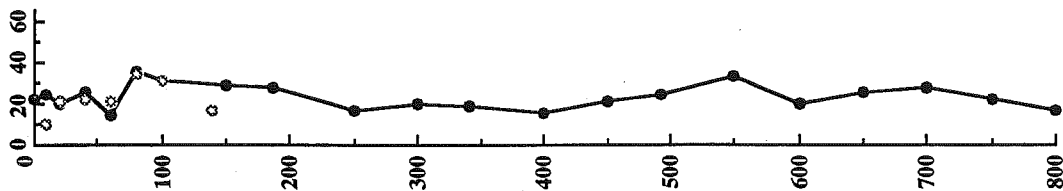
Titanic Wreck Site & Flemish Cap

Piston Core 79



Piston
Trigger

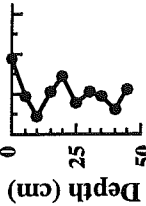
Piston Core 74



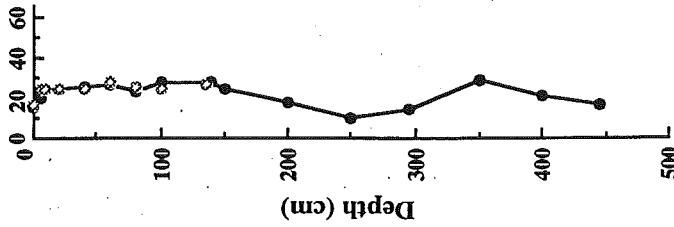
Box Core 69



Box Core 76



Piston Core 59

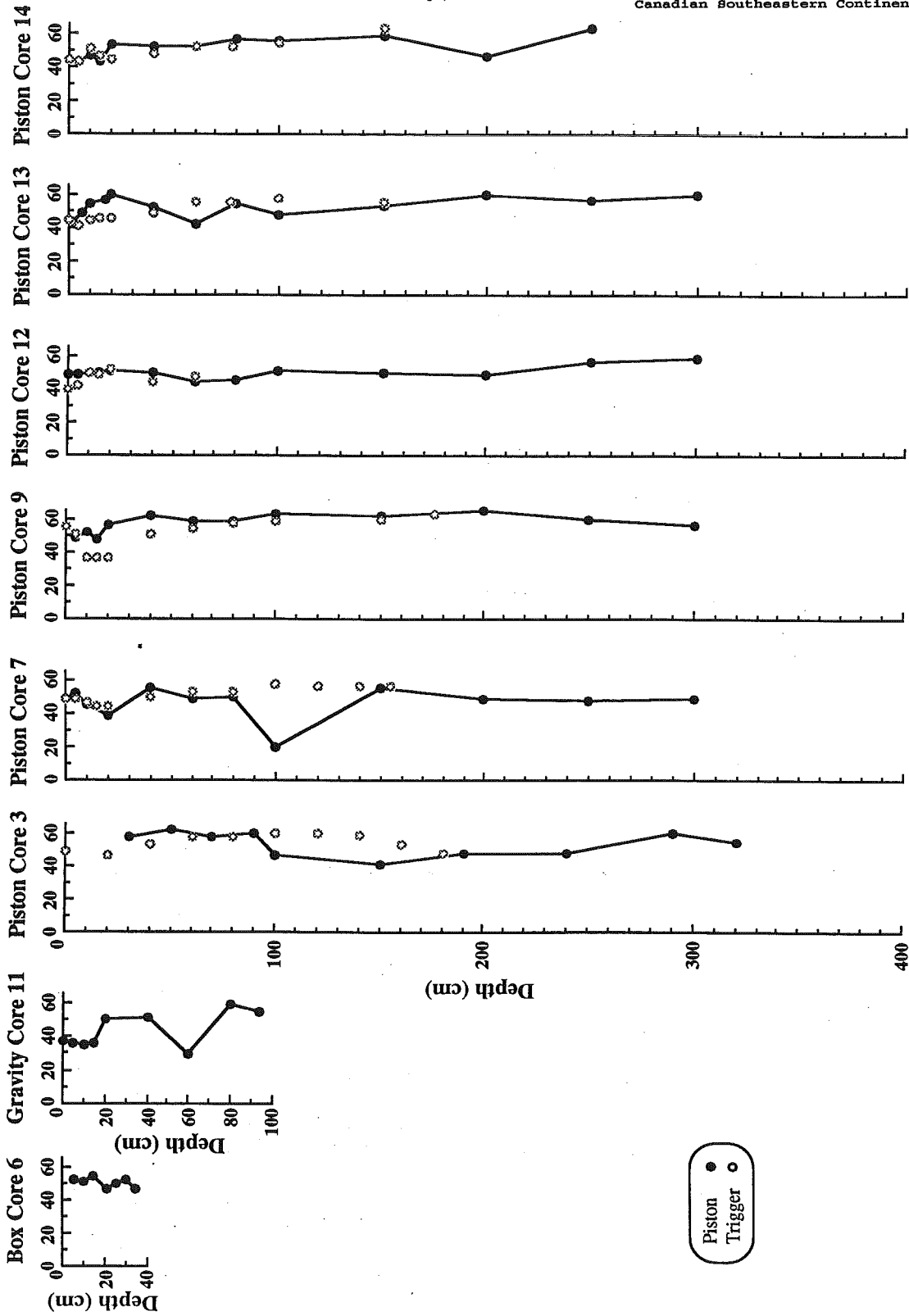


Hudson 91-020
Albatross Slope

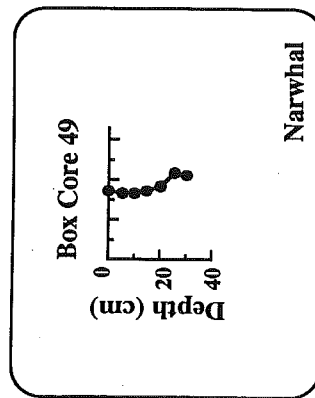
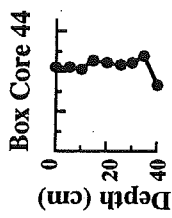
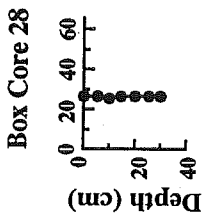
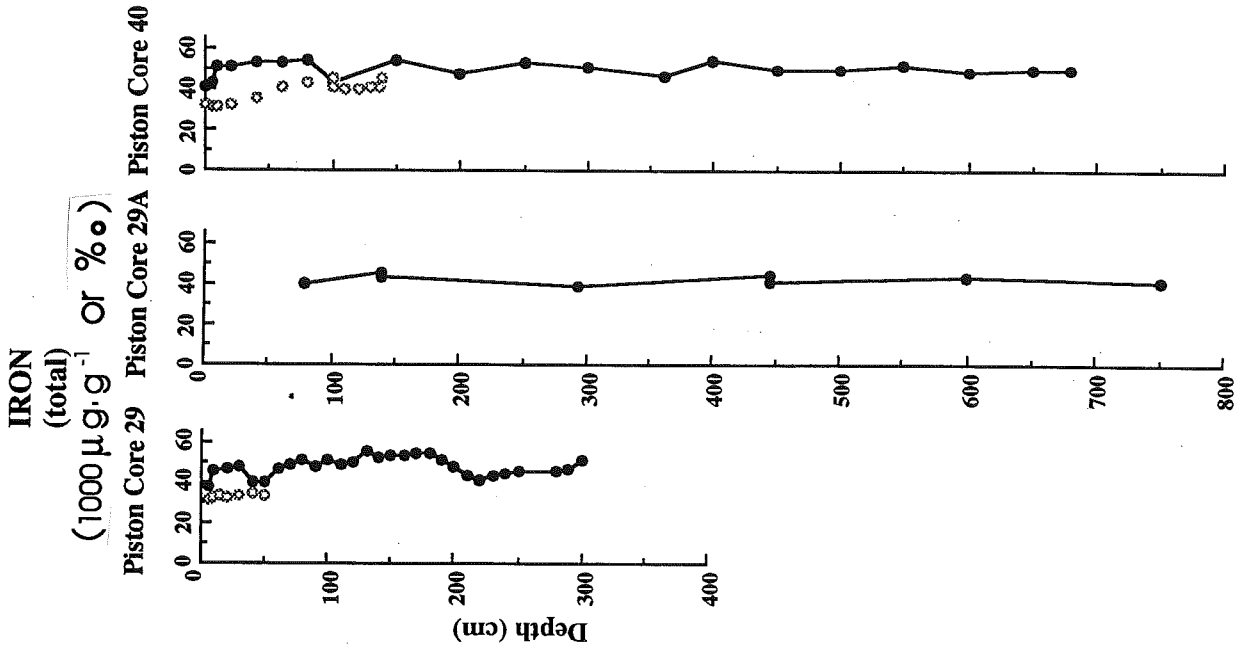
87

Cruise: Hudson 91020
Canadian Southeastern Continental Margin

IRON
(total)
($1000 \mu\text{g}\cdot\text{g}^{-1}$ Or ‰)

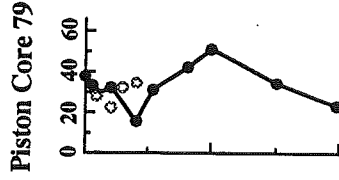


Hudson 91-020
St. Pierre Slope



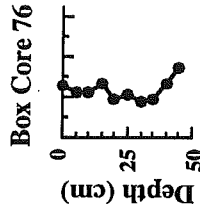
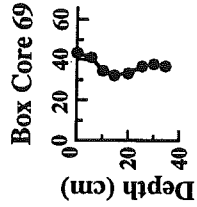
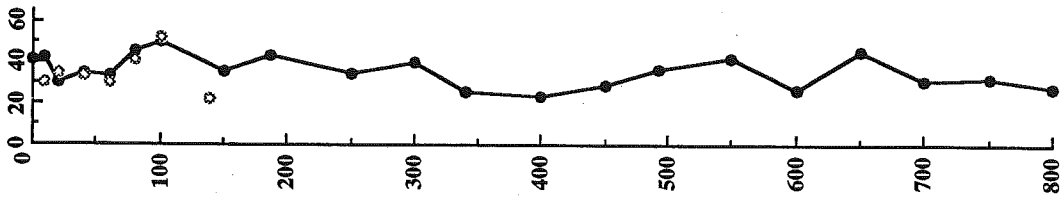
Hudson 91-020
Titanic Wreck Site & Flemish Cap

IRON
(total)
($1000 \mu\text{g}\cdot\text{g}^{-1}$ Or ‰) Piston Core 79

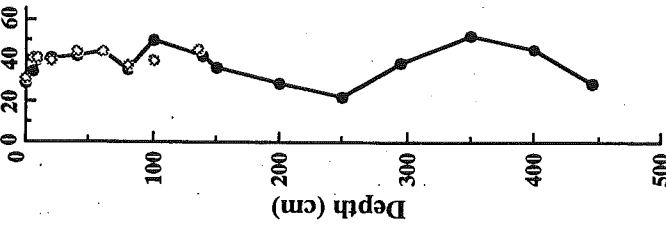


Piston ●
Trigger ○

Piston Core 74

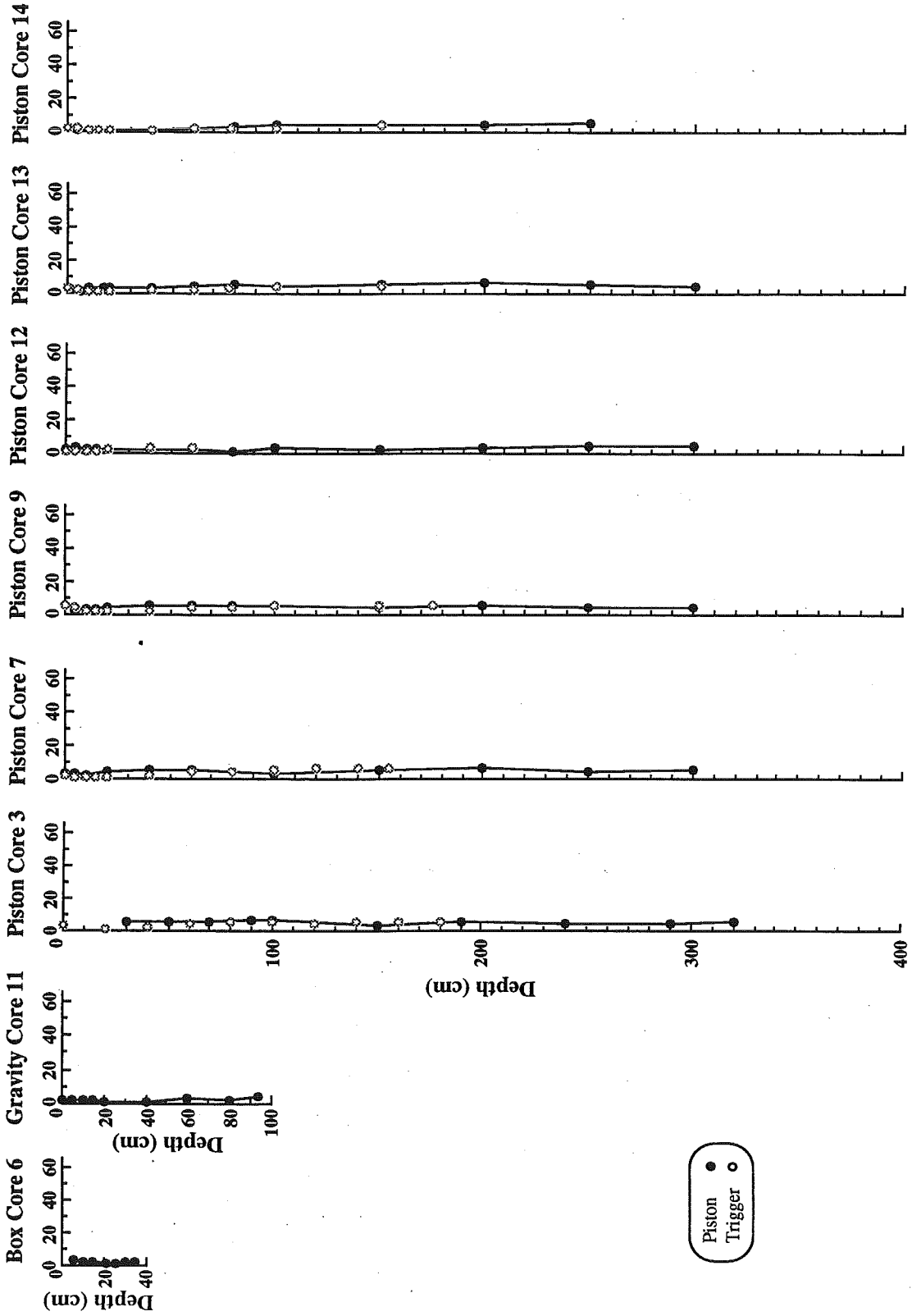


Piston Core 59

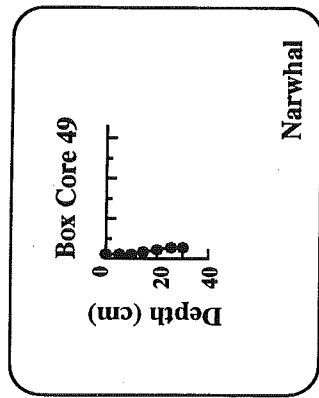
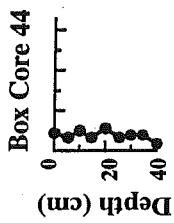
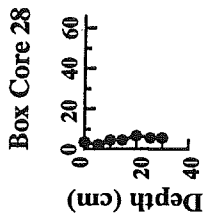
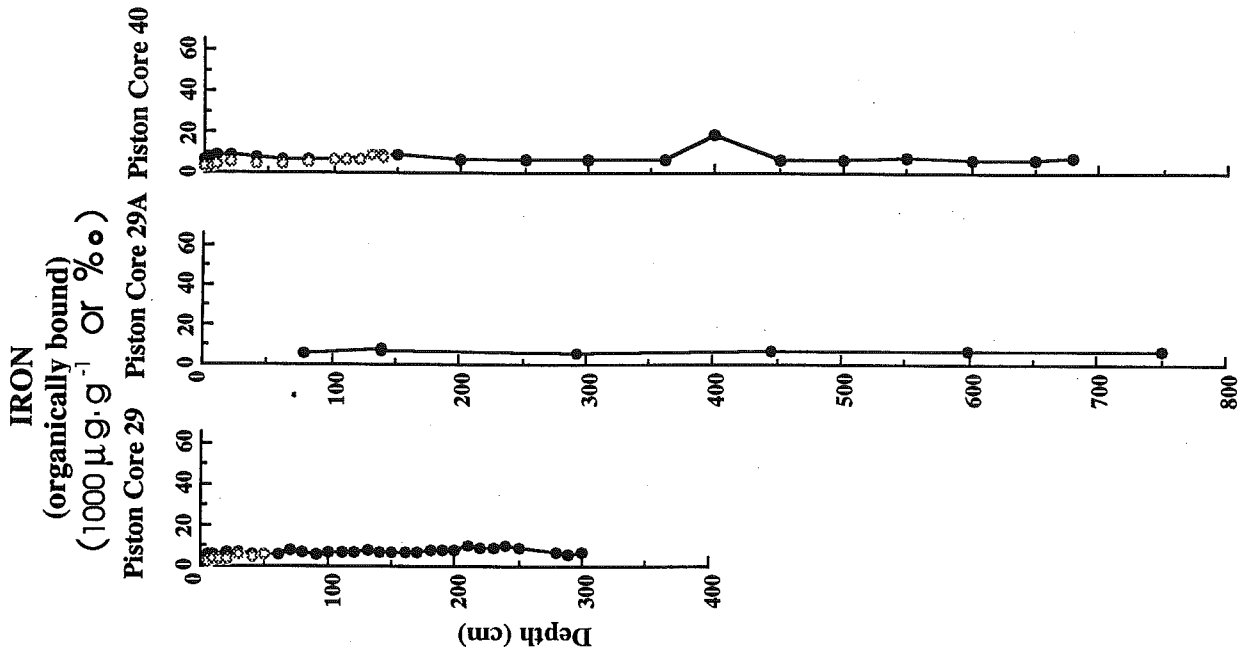


Hudson 91-020
Albatross Slope

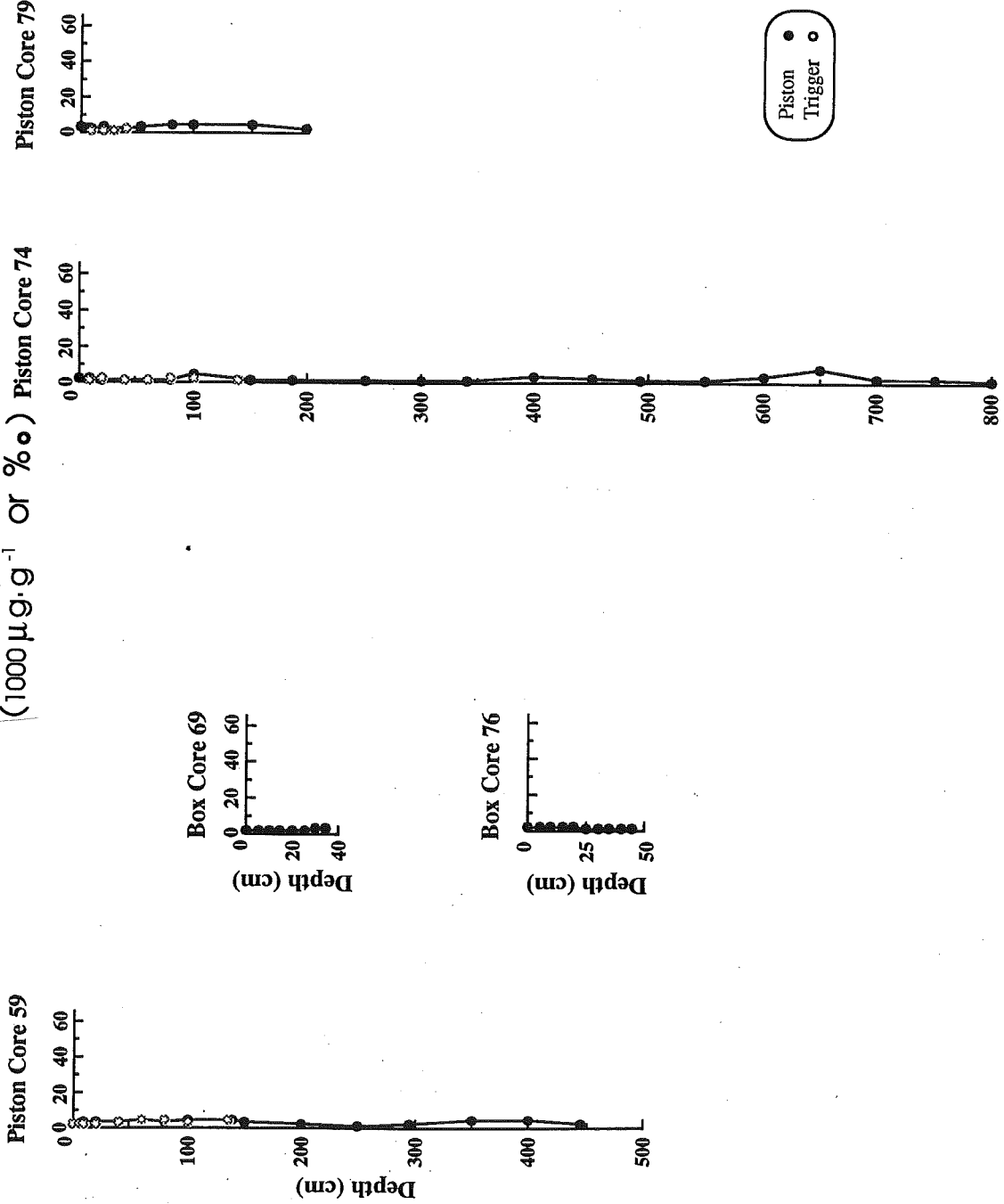
IRON
(organically bound)
(1000 $\mu\text{g}\cdot\text{g}^{-1}$ Or $\% \circ \circ$)



Hudson 91-020
St. Pierre Slope

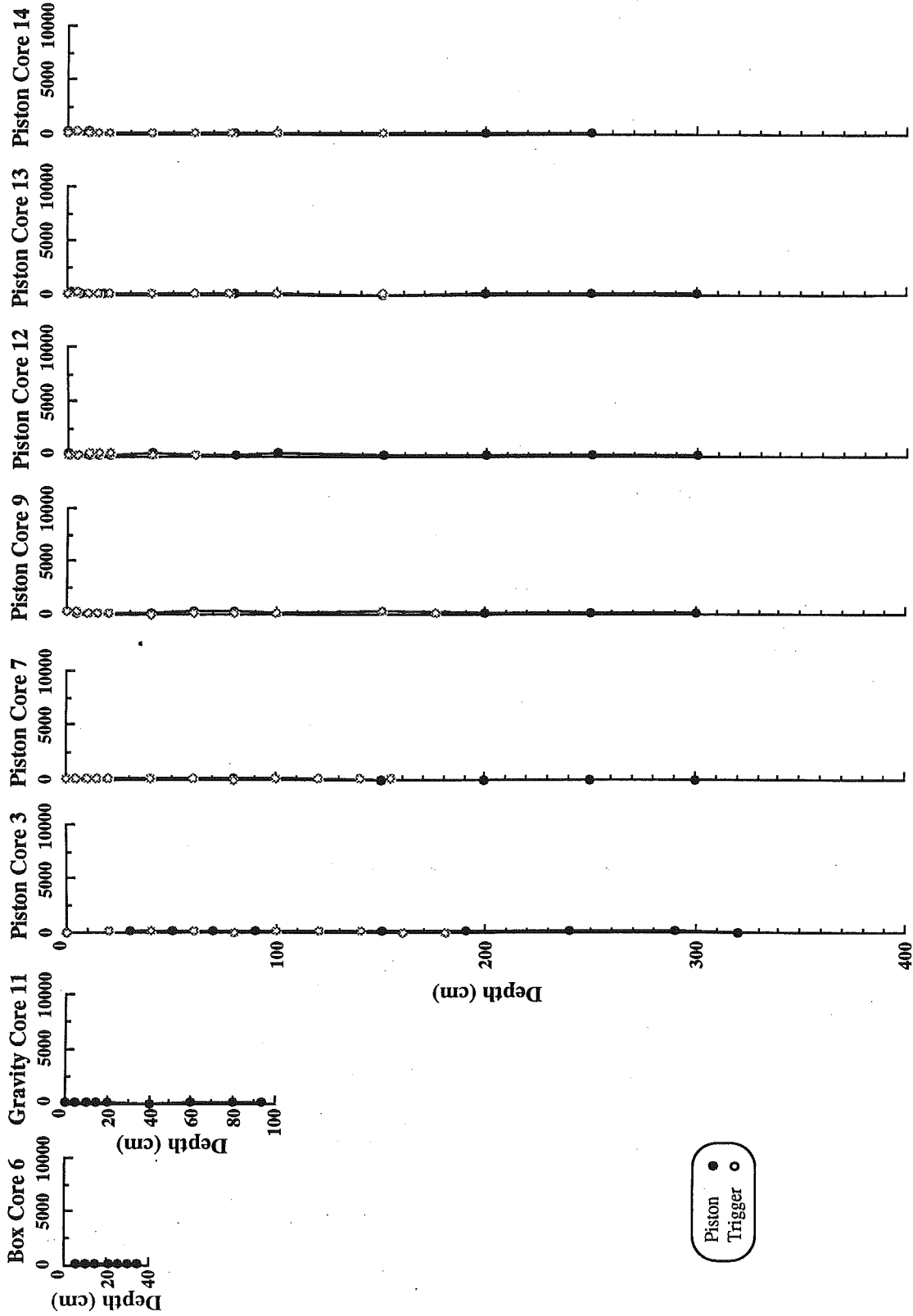


Hudson 91-020
Titanic Wreck Site & Flemish Cap
IRON
(organically bound)
(1000 $\mu\text{g}\cdot\text{g}^{-1}$ OR $\%$)



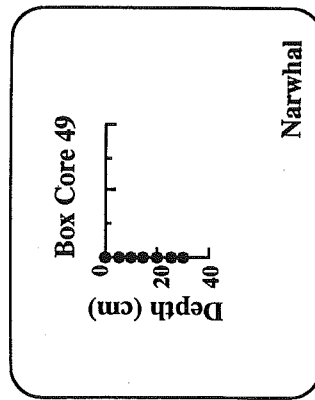
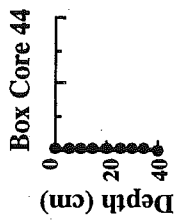
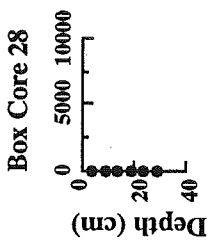
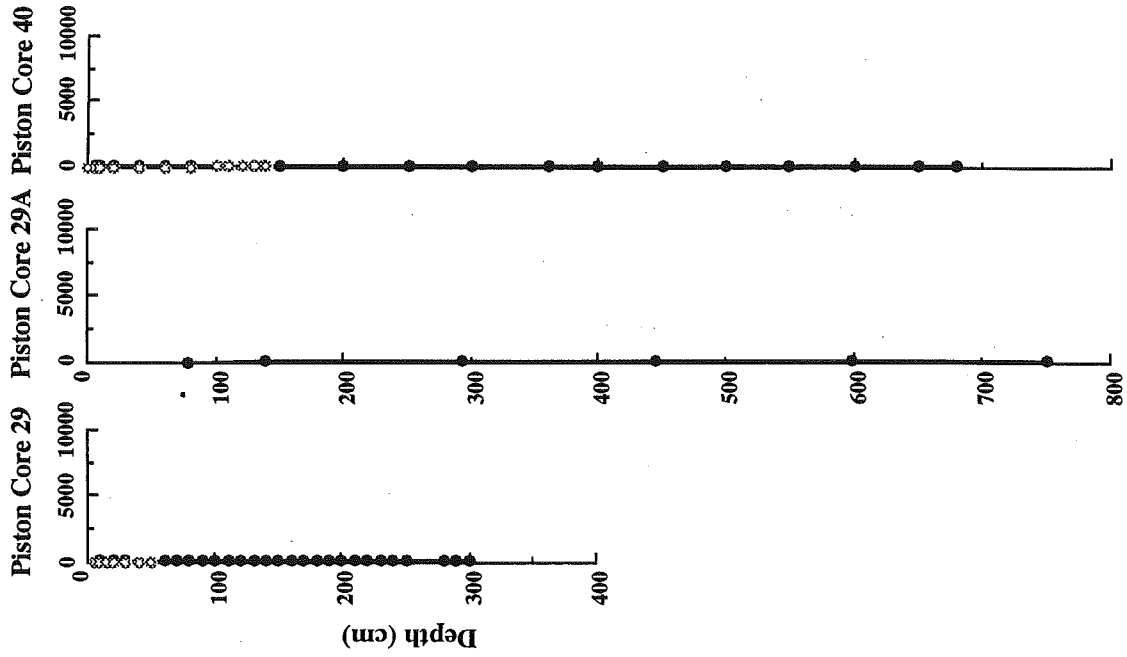
Hudson 91-020
Albatross Slope

MANGANESE
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope

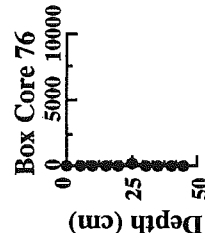
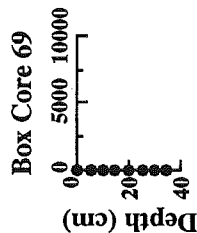
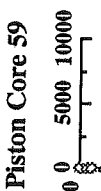
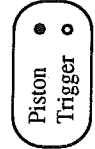
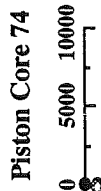
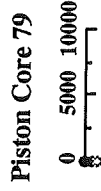
MANGANESE
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston ●
Trigger ○

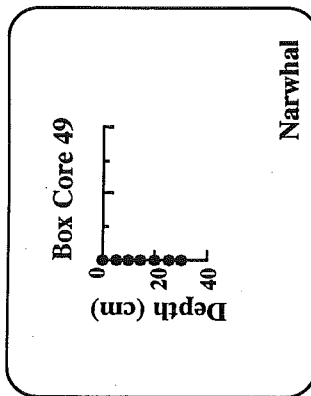
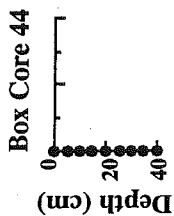
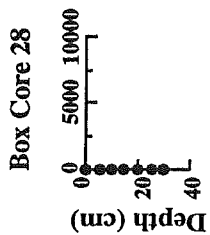
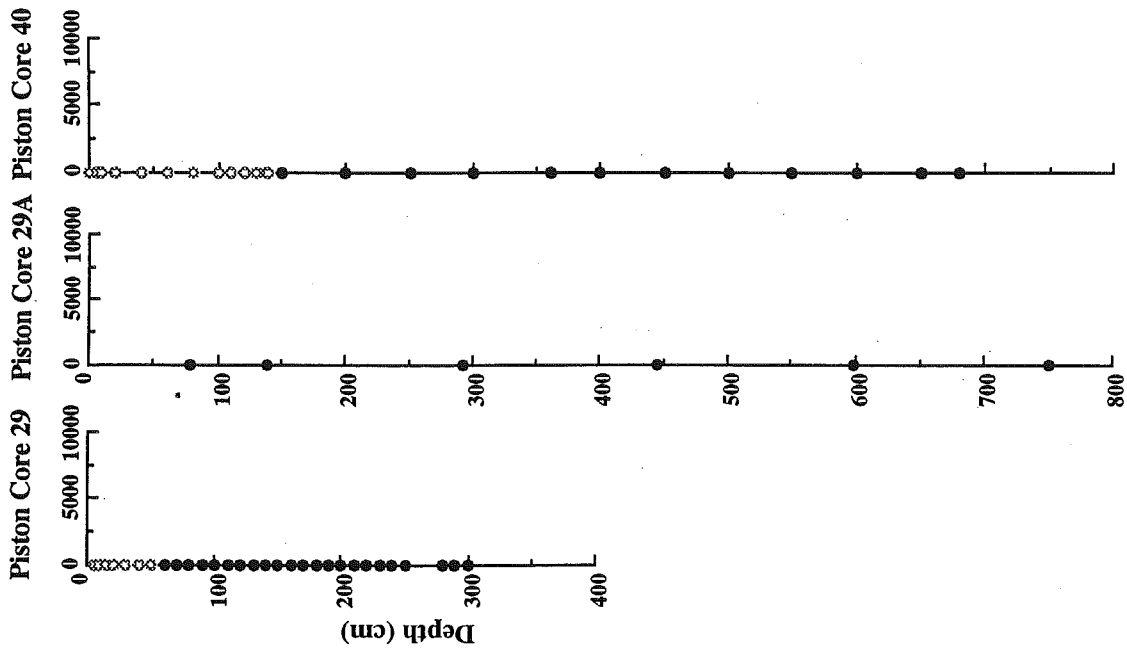
Hudson 91-020
Titanic Wreck Site & Flemish Cap

MANGANESE
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope

MANGANESE
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



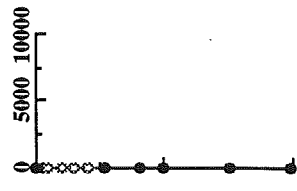
Piston ●
Trigger ○

MANGANESE
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

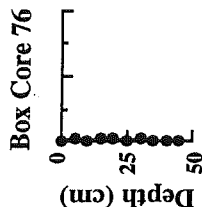
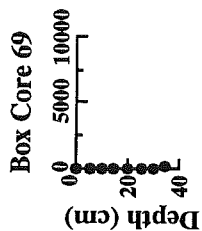
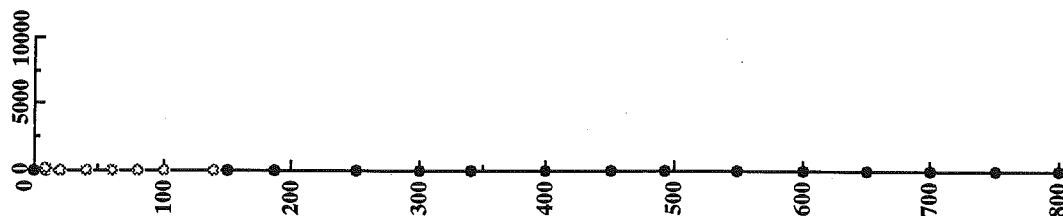
Hudson 91-020

Titanic Wreck Site & Flemish Cap

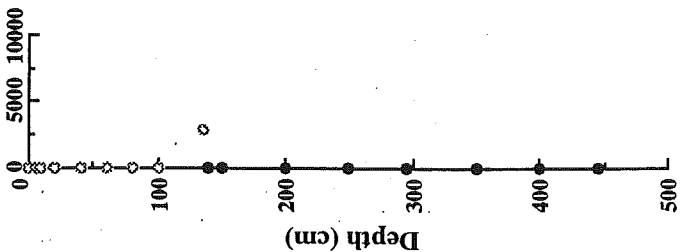
Piston Core 79



Piston Core 74



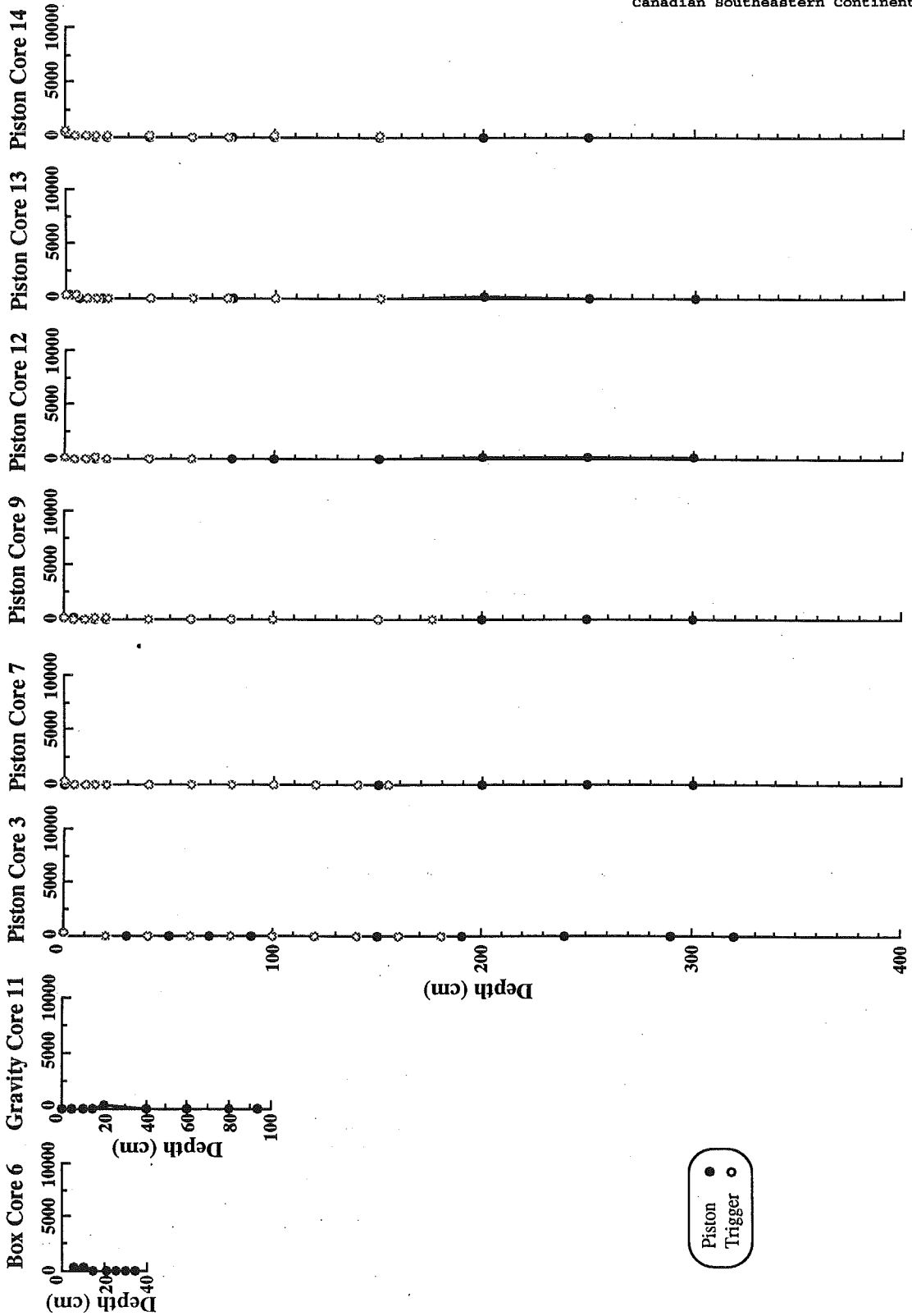
Piston Core 59



Piston ●
Trigger ○

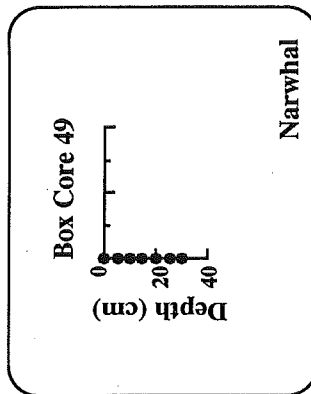
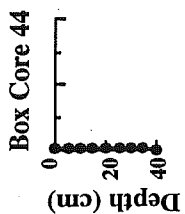
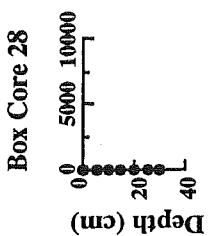
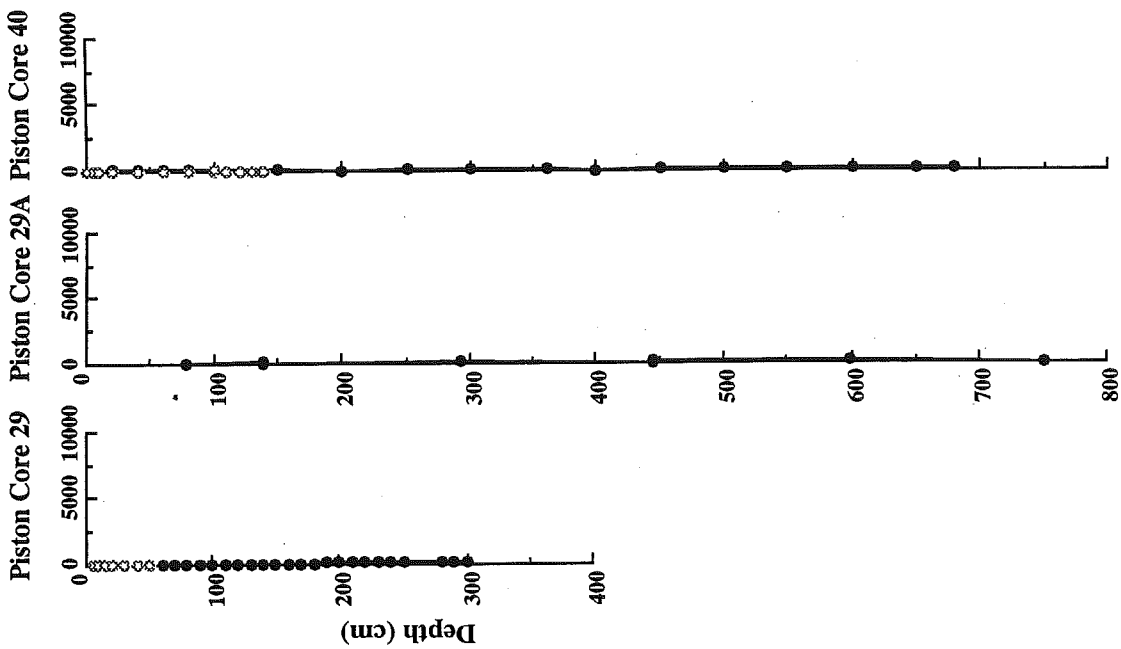
Hudson 91-020
Albatross Slope

MANGANESE
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope

MANGANESE
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

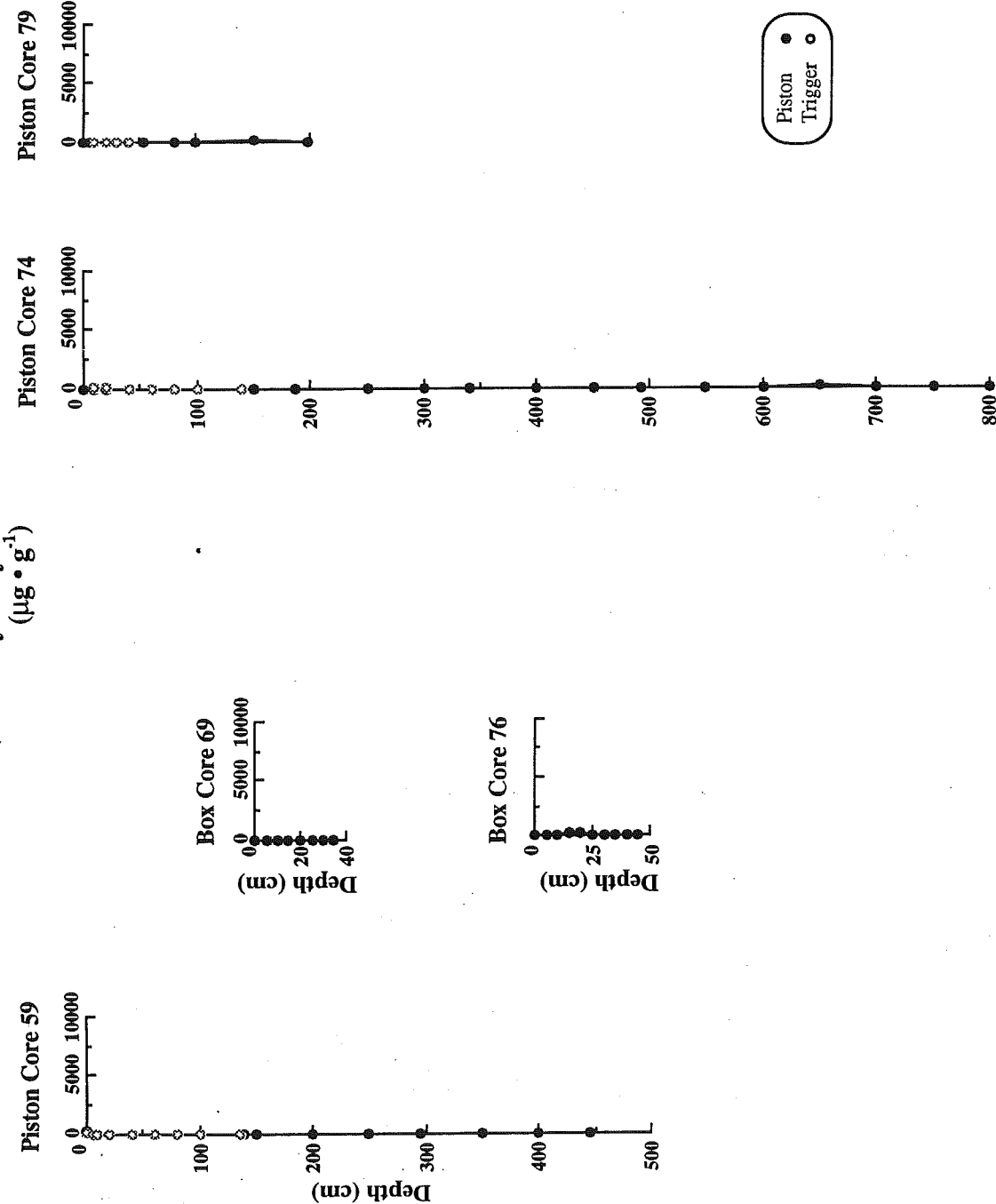


Piston ●
Trigger ○

MANGANESE
(heated hydroxylamine leach)

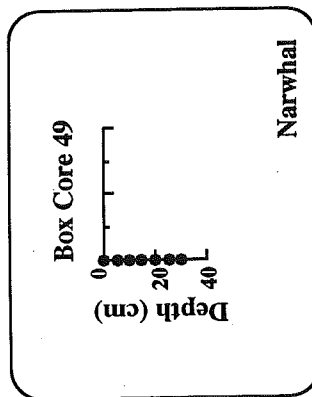
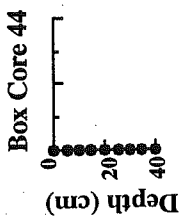
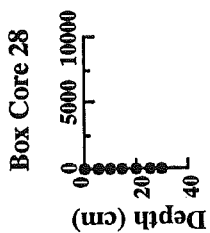
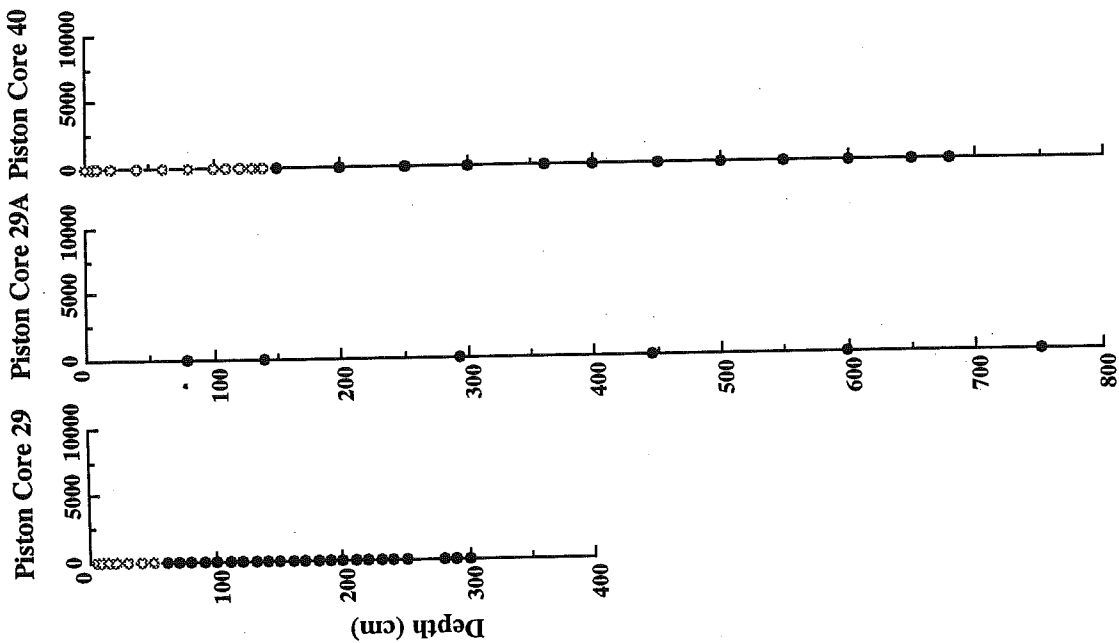
Hudson 91-020

Titanic Wreck Site & Flemish Cap



Hudson 91-020
St. Pierre Slope

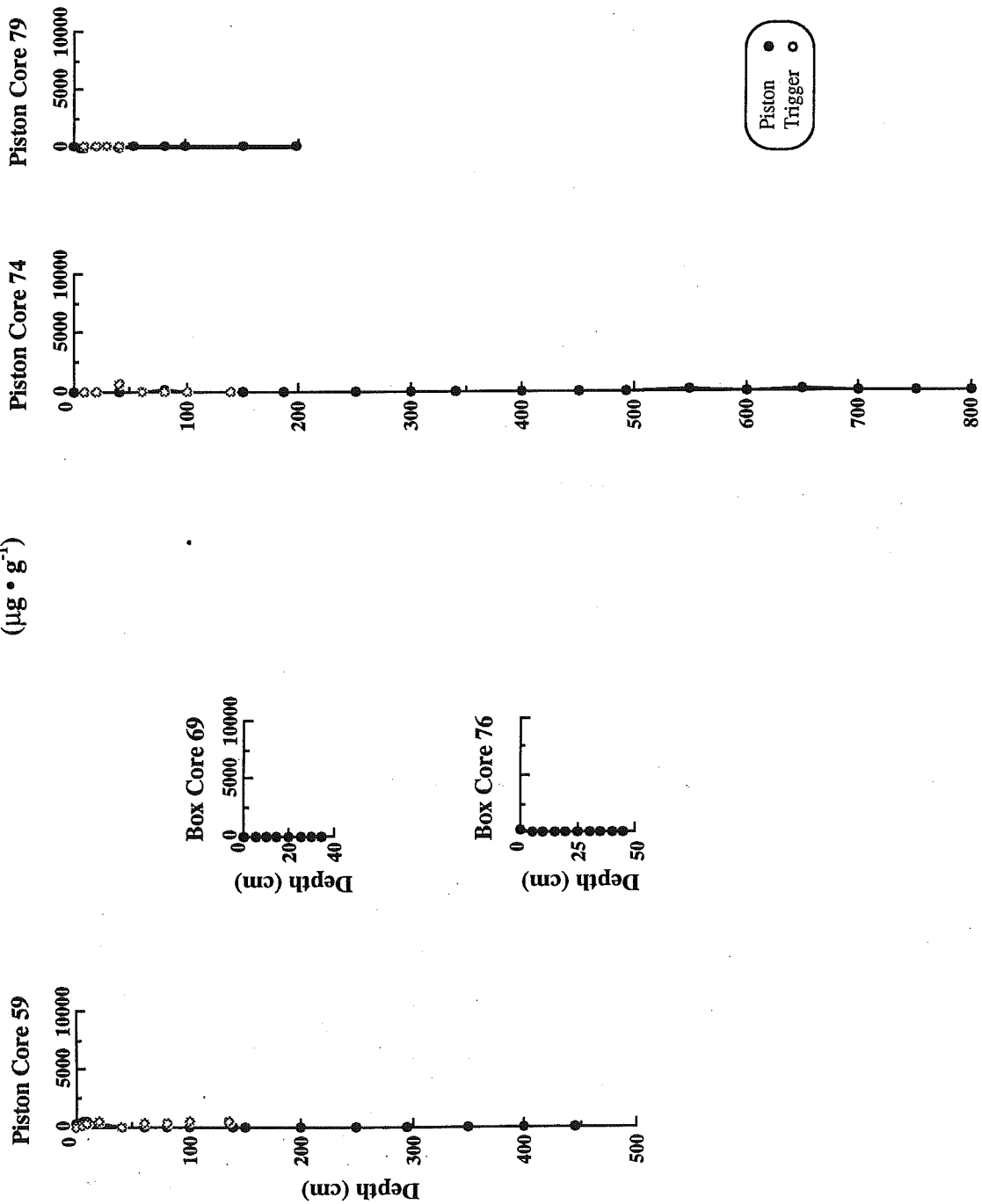
MANGANESE
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston
Trigger

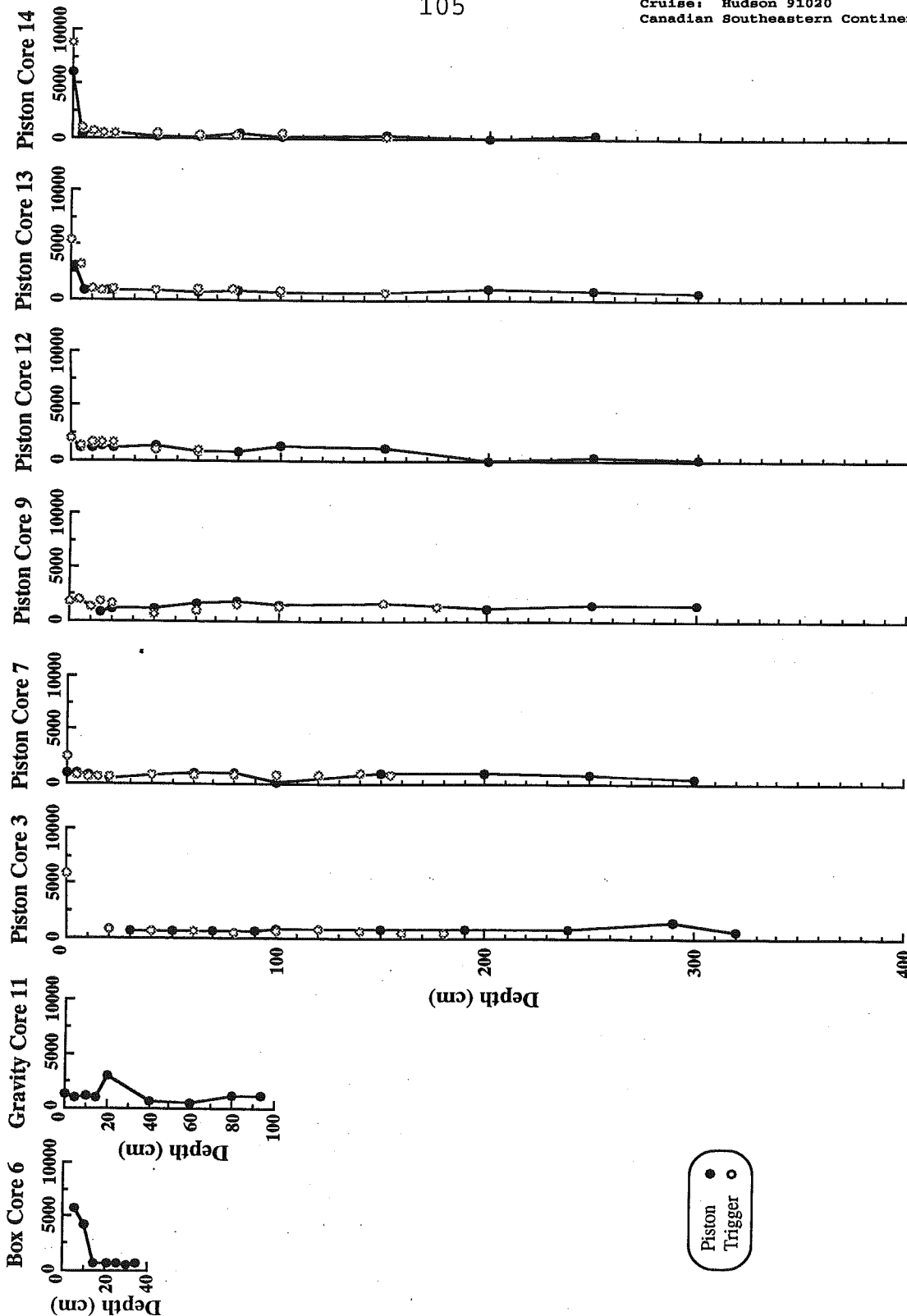
Hudson 91-020
Titanic Wreck Site & Flemish Cap

MANGANESE
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
Albatross Slope

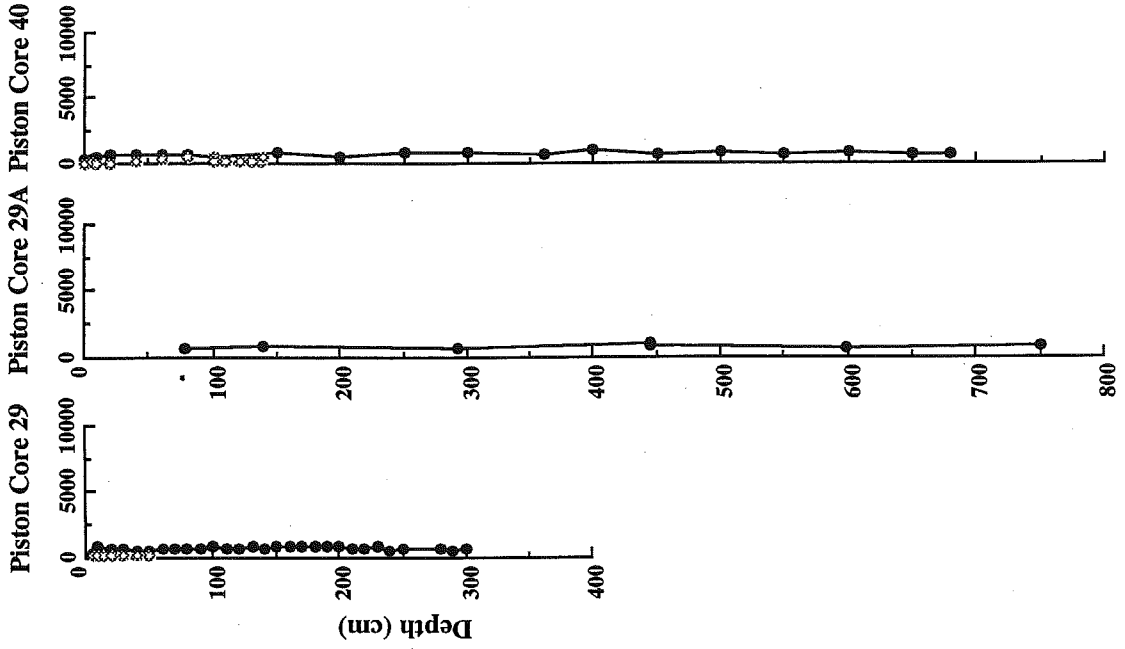
MANGANESE
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



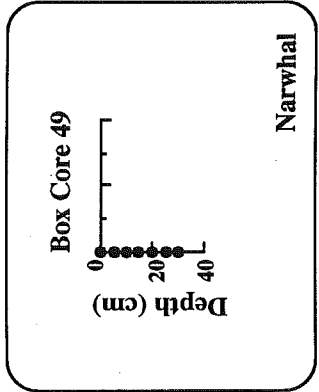
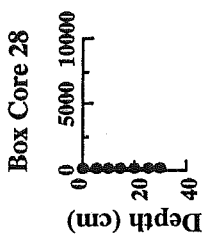
Piston ●
Trigger ○

Hudson 91-020
St. Pierre Slope

MANGANESE
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



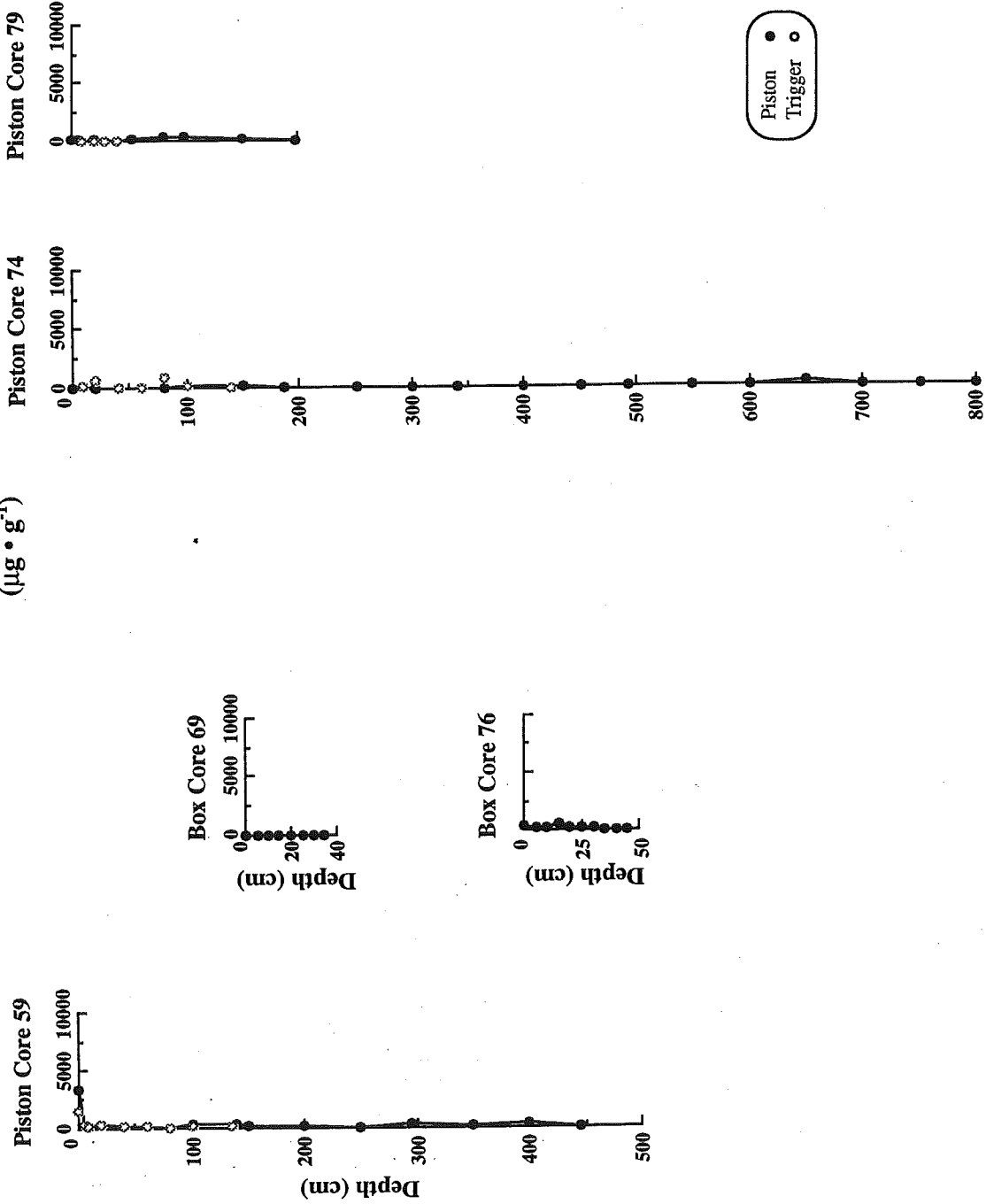
Piston ●
Trigger ○



Narwhal

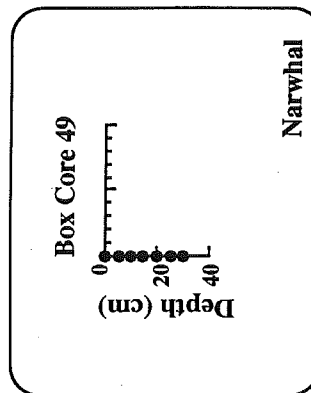
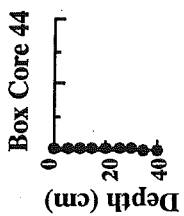
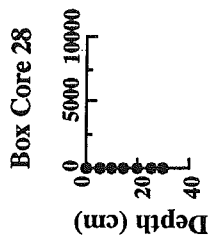
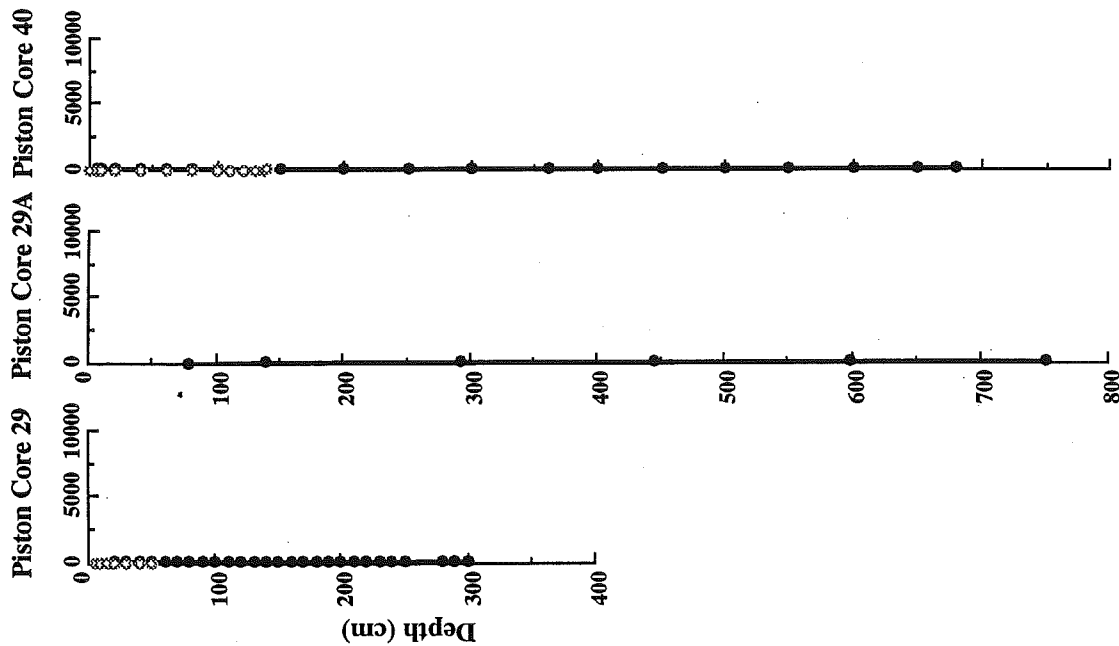
Hudson 91-020
Titanic Wreck Site & Flemish Cap

MANGANESE
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



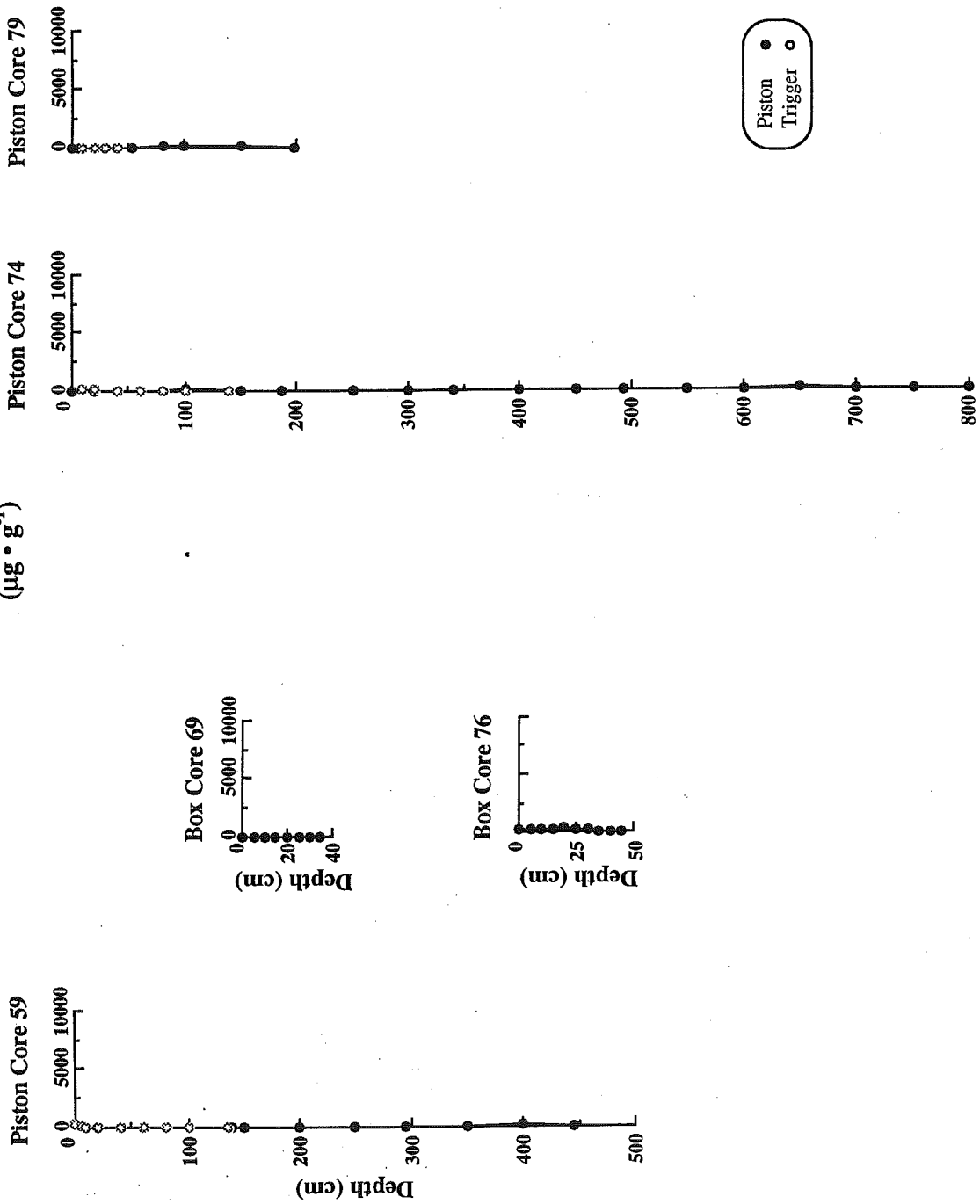
Hudson 91-020
St. Pierre Slope

MANGANESE
(organically bound)
($\mu\text{g} \cdot \text{g}^{-1}$)

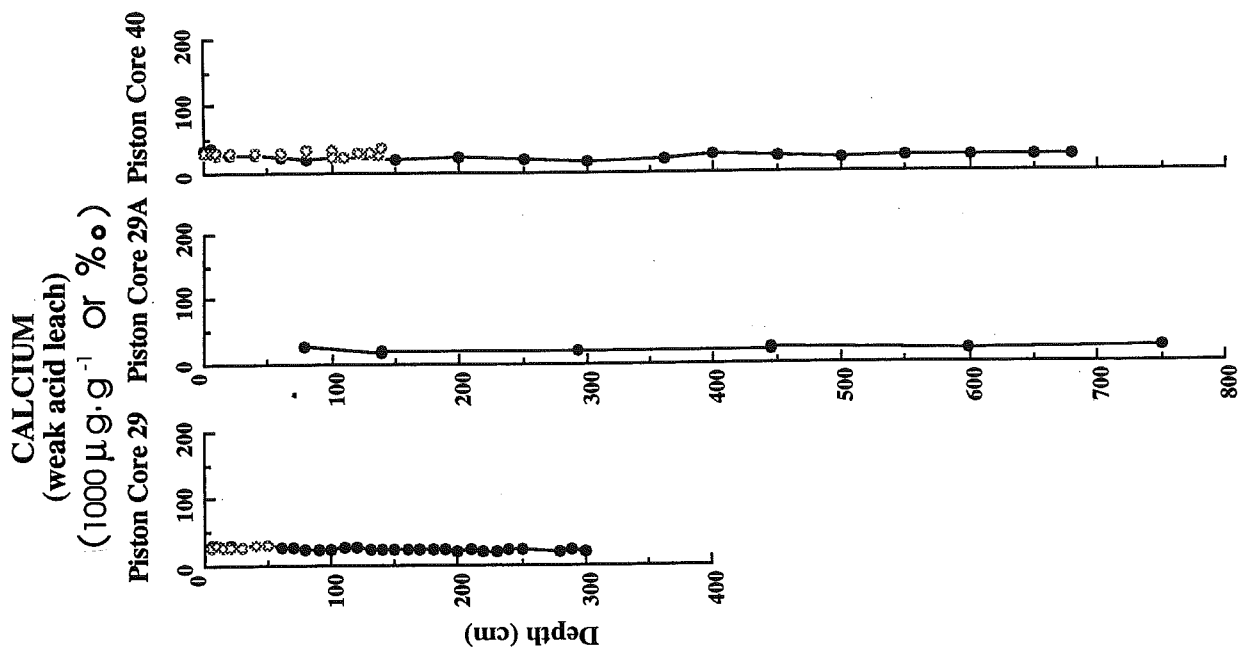


MANGANESE
(organically bound)
($\mu\text{g} \cdot \text{g}^{-1}$)

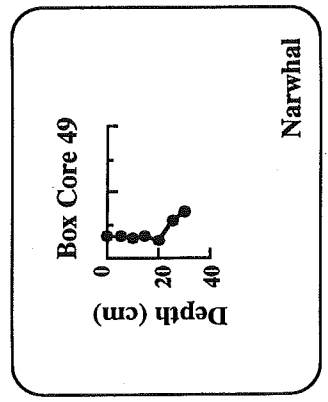
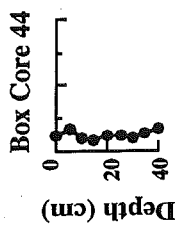
Hudson 91-020
Titanic Wreck Site & Flemish Cap



Hudson 91-020
St. Pierre Slope

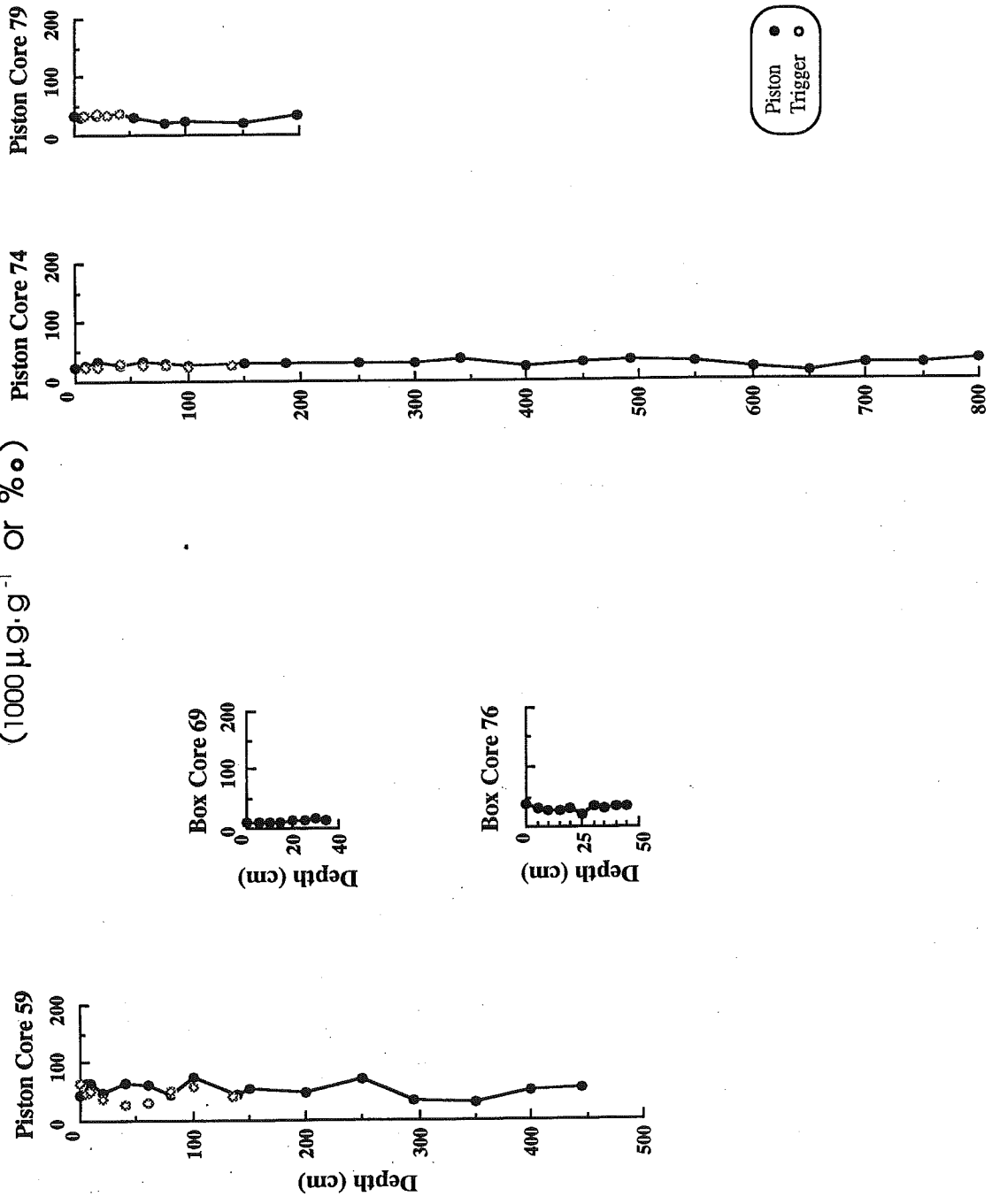


● Piston
○ Trigger



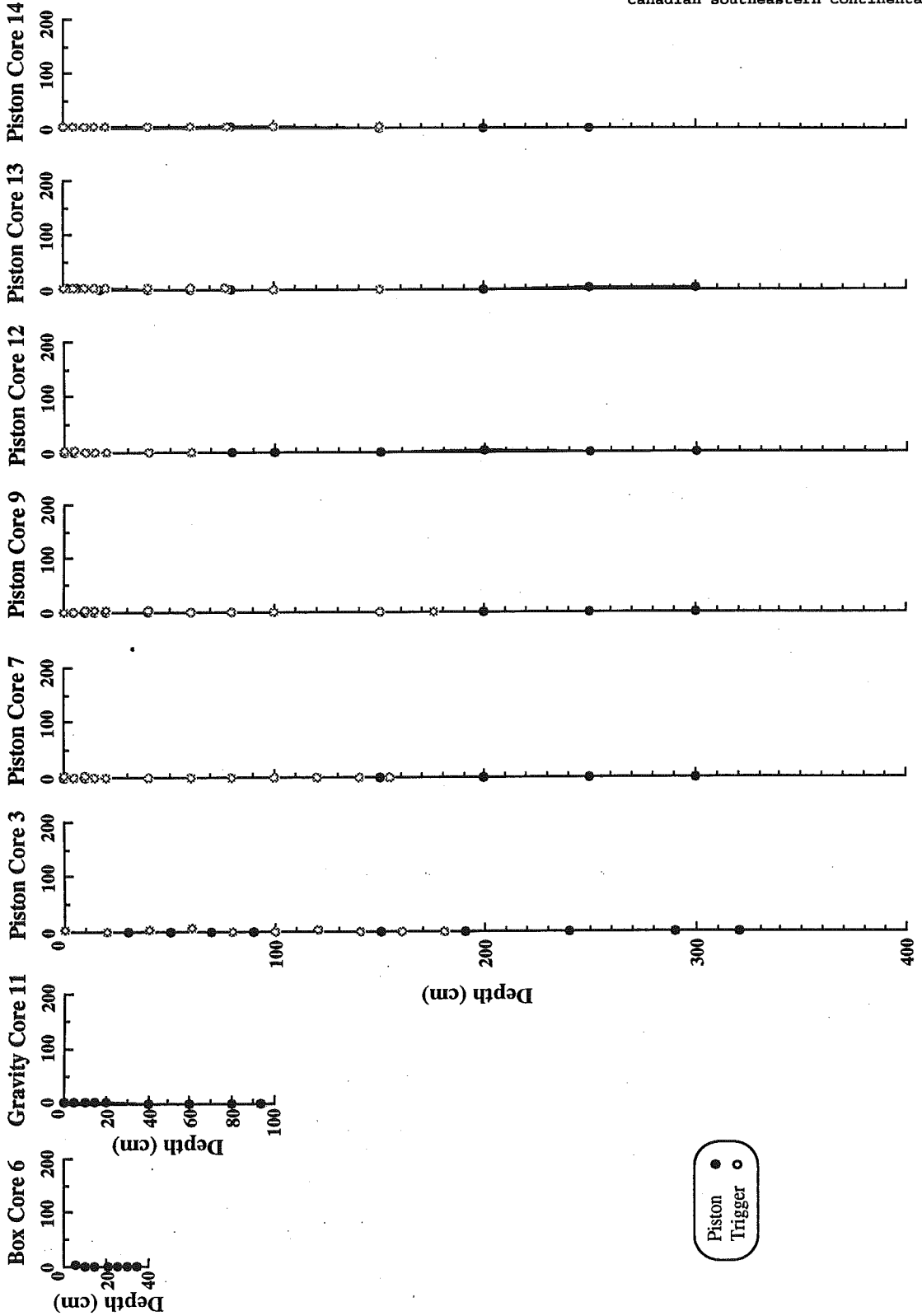
Hudson 91-020
Titanic Wreck Site & Flemish Cap

CALCIUM
(weak acid leach)
(1000 $\mu\text{g}\cdot\text{g}^{-1}$ OR $\% \circ \circ$)



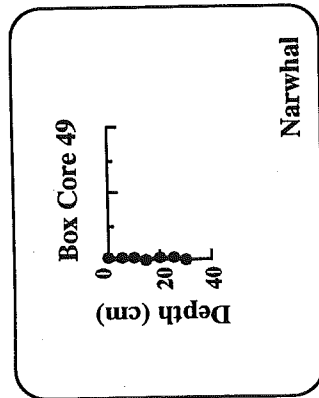
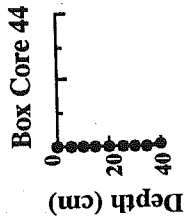
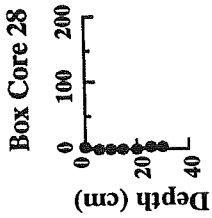
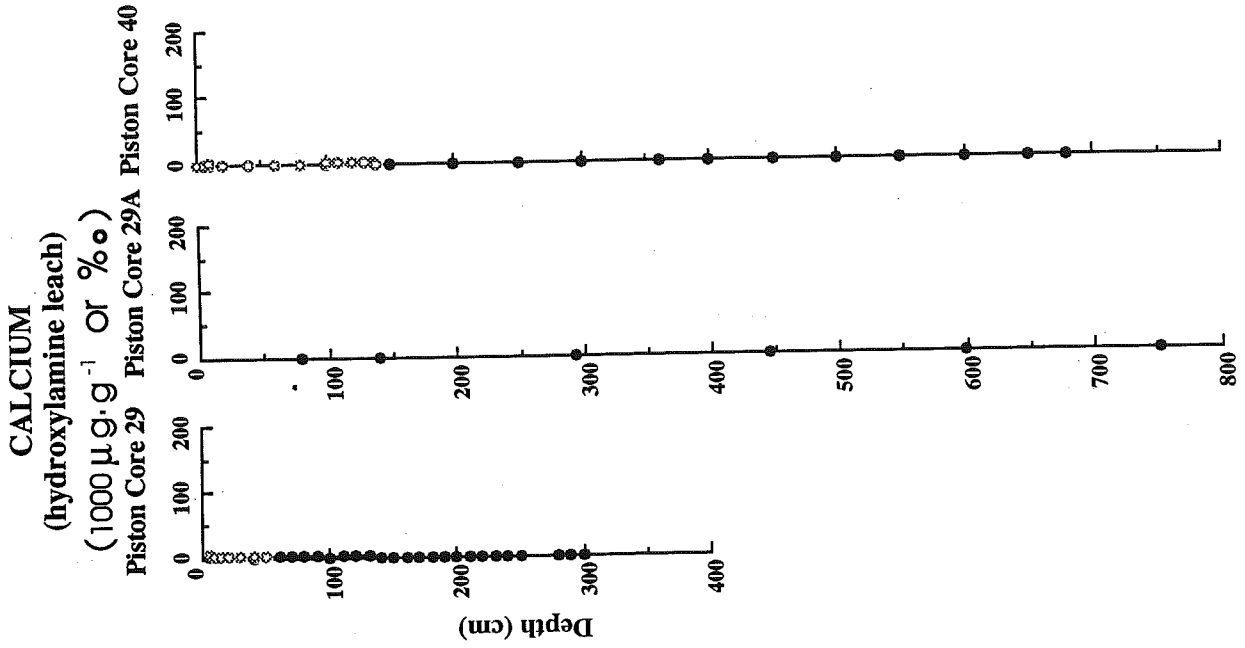
Hudson 91-020
Albatross Slope

CALCIUM
(hydroxylamine leach)
(1000 $\mu\text{g}\cdot\text{g}^{-1}$ or $\% \circ$)



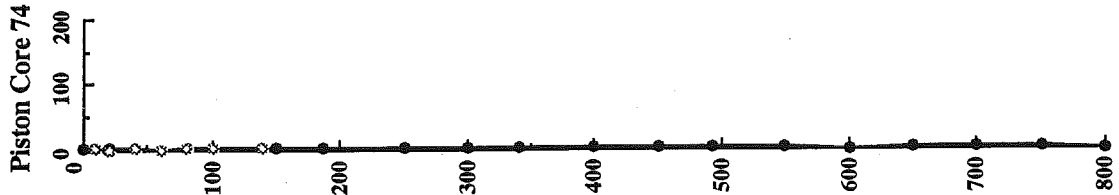
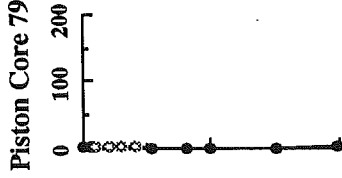
Hudson 91-020
St. Pierre Slope

Piston ●
Trigger ○

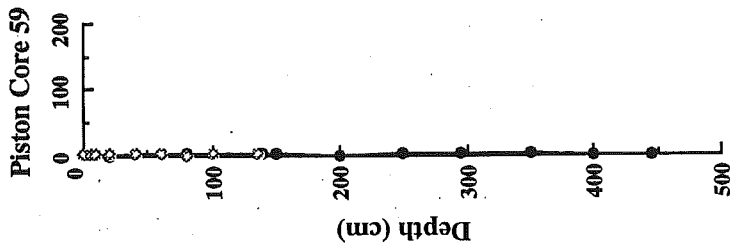
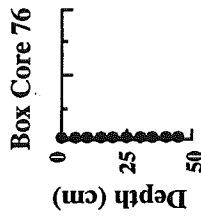
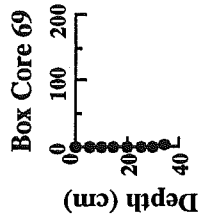


Hudson 91-020
Titanic Wreck Site & Flemish Cap

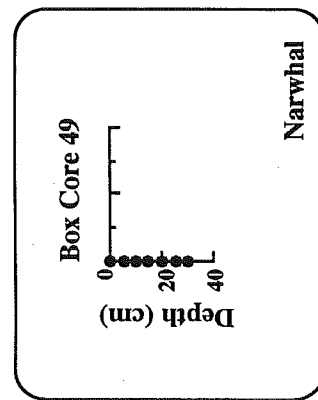
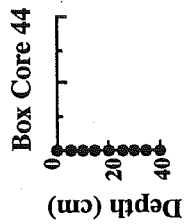
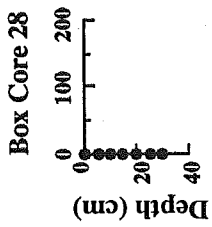
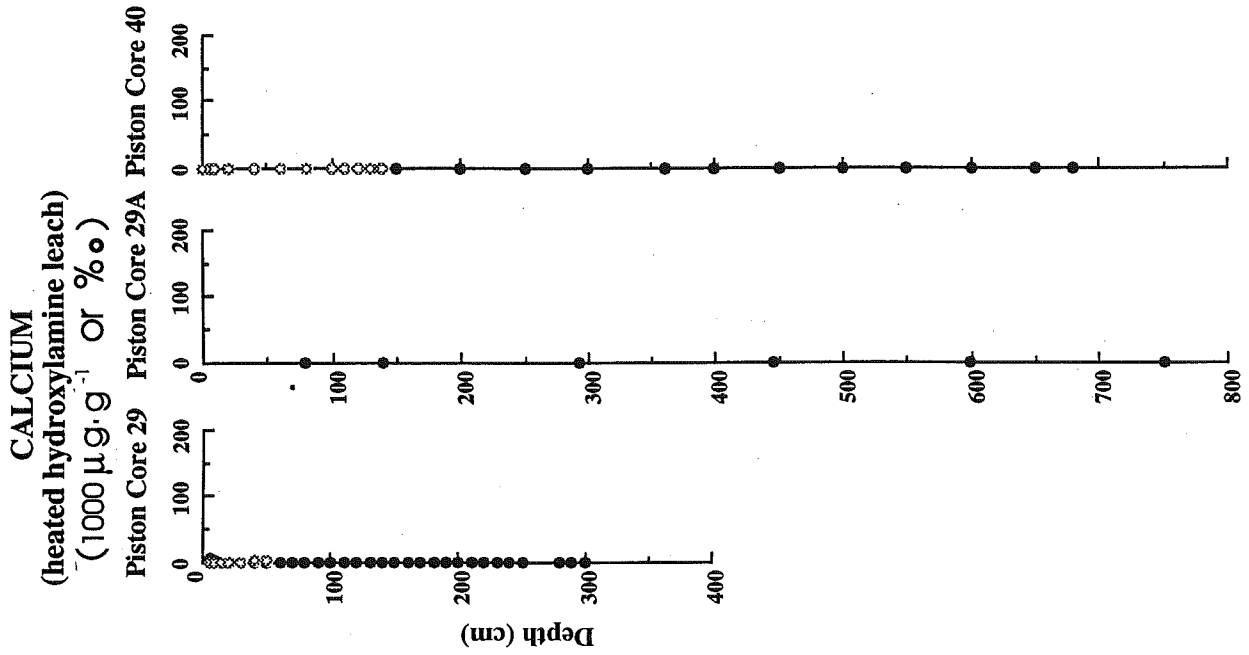
CALCIUM
(hydroxylamine leach)
(1000 $\mu\text{g}\cdot\text{g}^{-1}$ OR $\% \circ \circ$)



Piston
Trigger

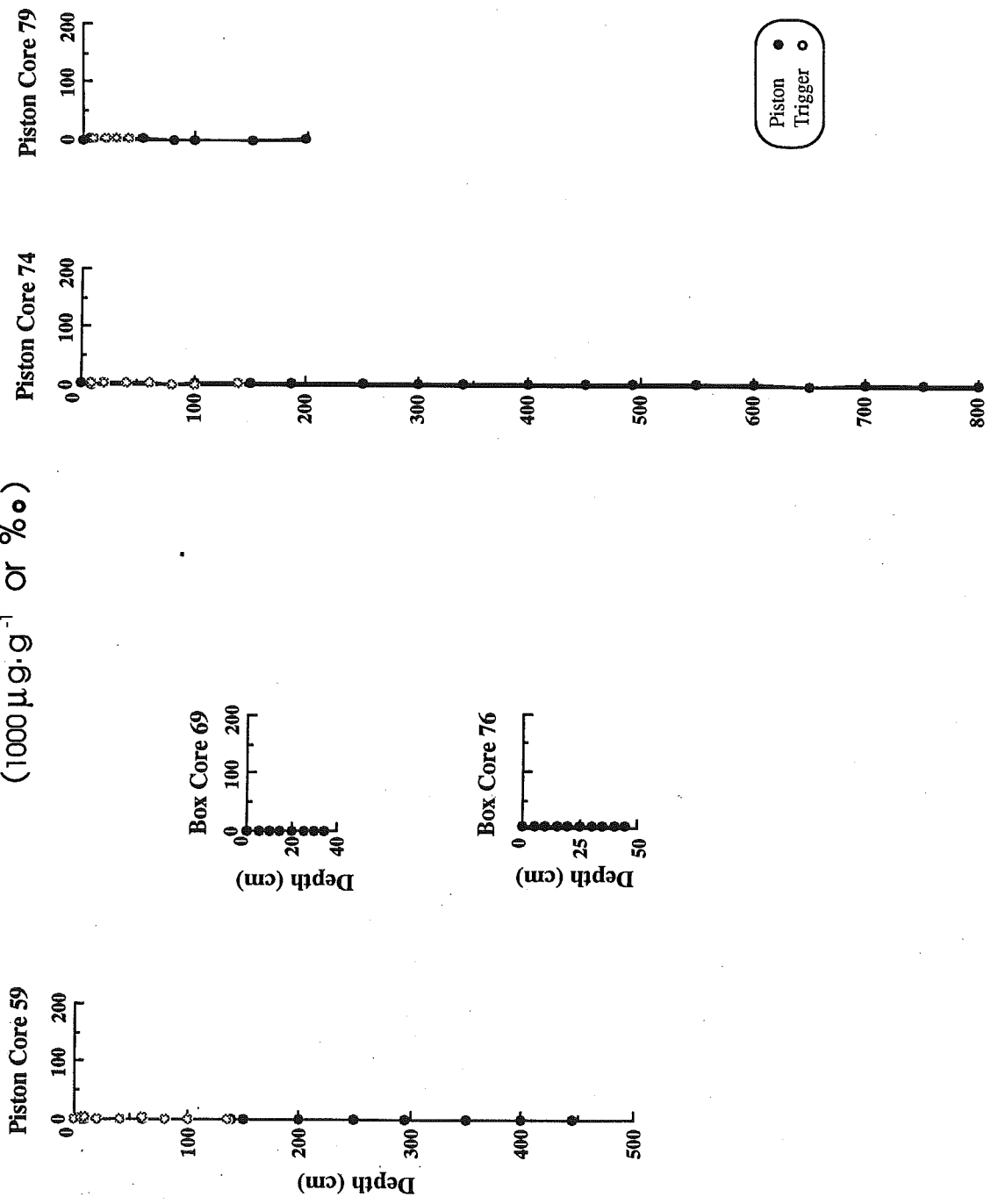


Hudson 91-020
St. Pierre Slope



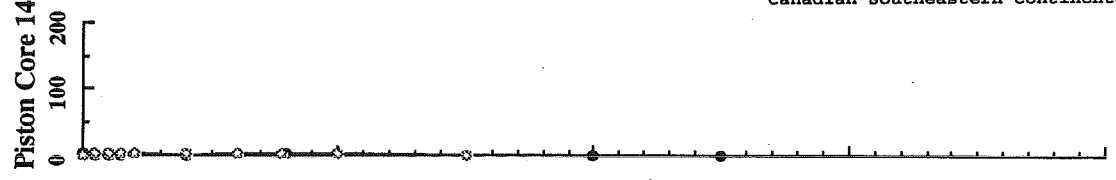
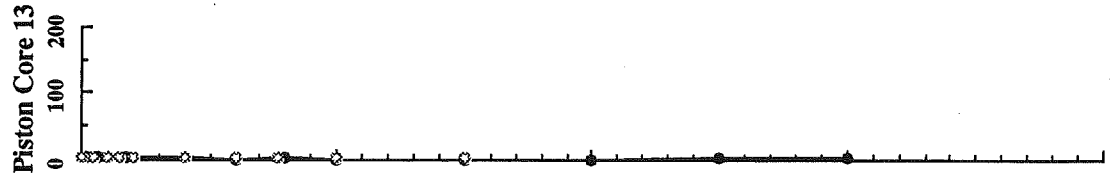
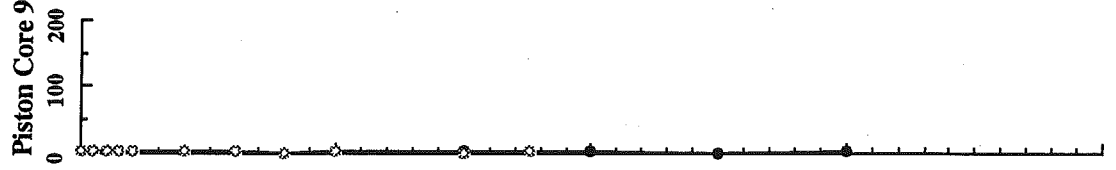
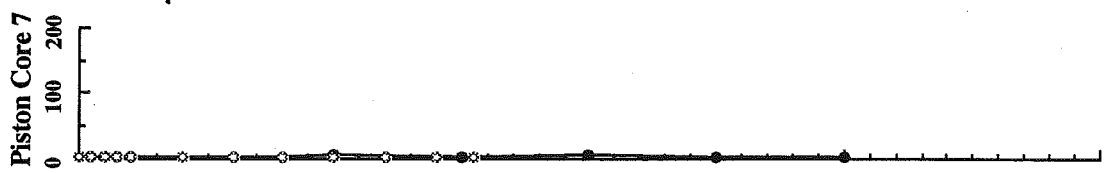
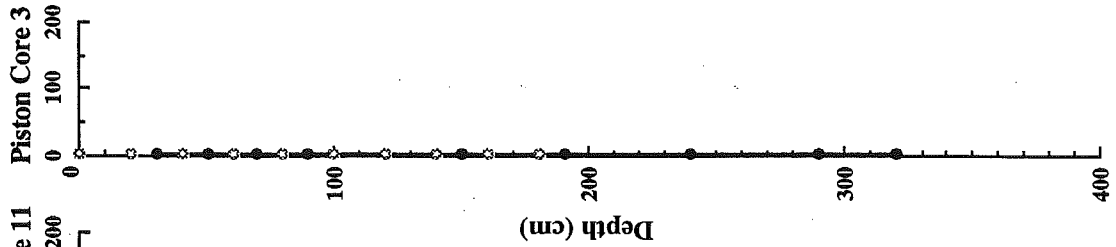
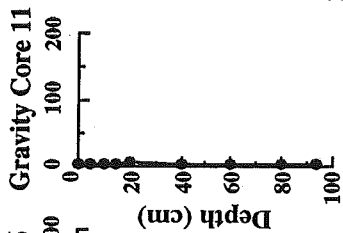
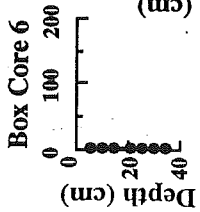
Hudson 91-020
Titanic Wreck Site & Flemish Cap

CALCIUM
(heated hydroxylamine leach)
(1000 $\mu\text{g}\cdot\text{g}^{-1}$ OR $\% \circ$)



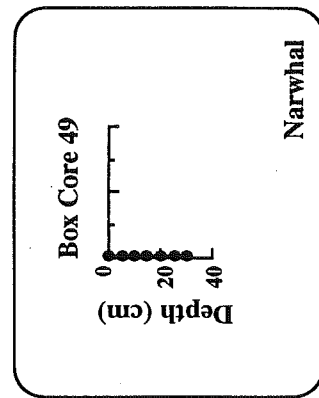
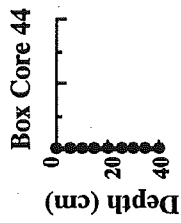
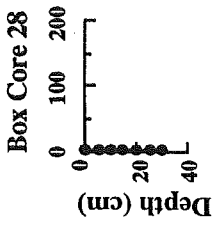
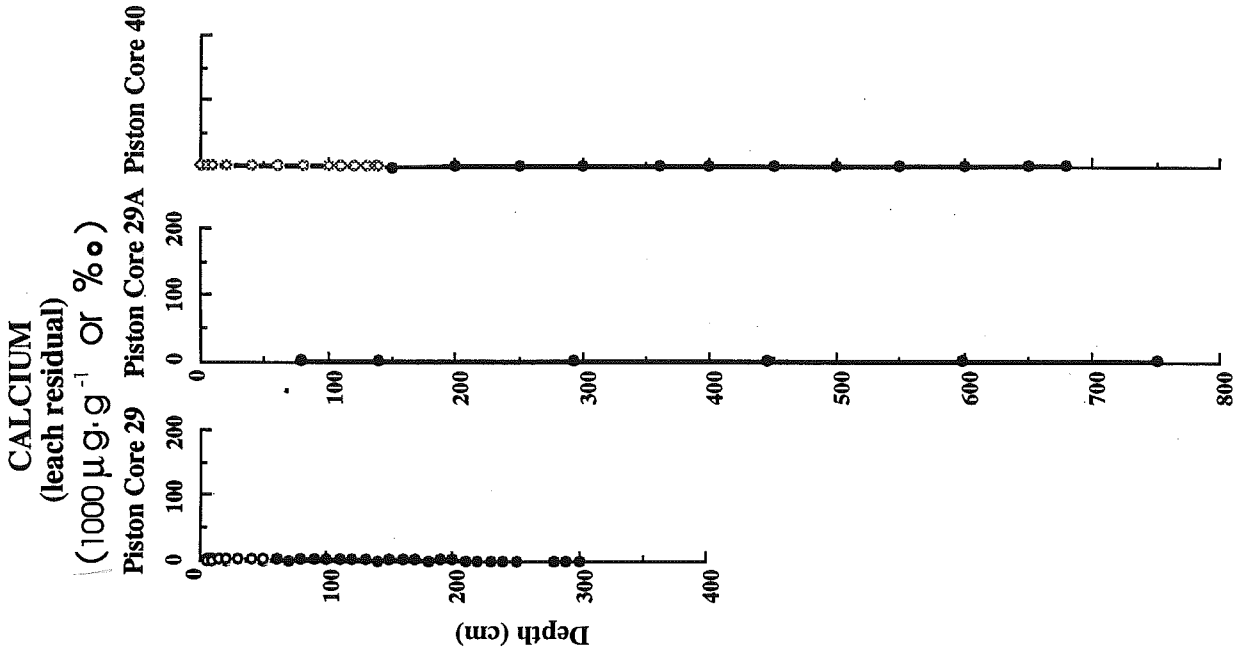
Hudson 91-020
Albatross Slope

CALCIUM
(leach residual)
(1000 $\mu\text{g}\cdot\text{g}^{-1}$ Or $\% \circ$)

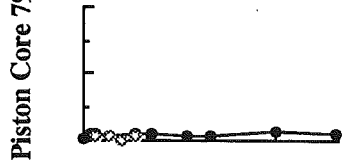


Piston ●
Trigger ○

Hudson 91-020
St. Pierre Slope

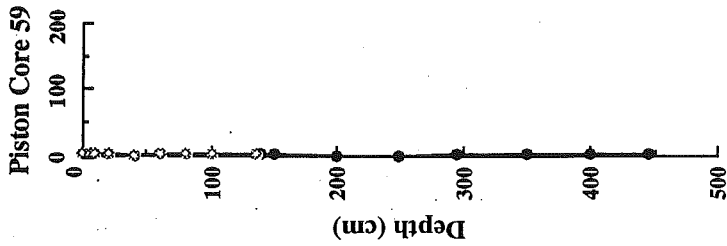
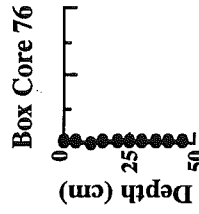
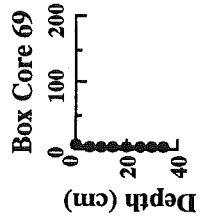


Hudson 91-020
Titanic Wreck Site & Flemish Cap
Piston Core 79



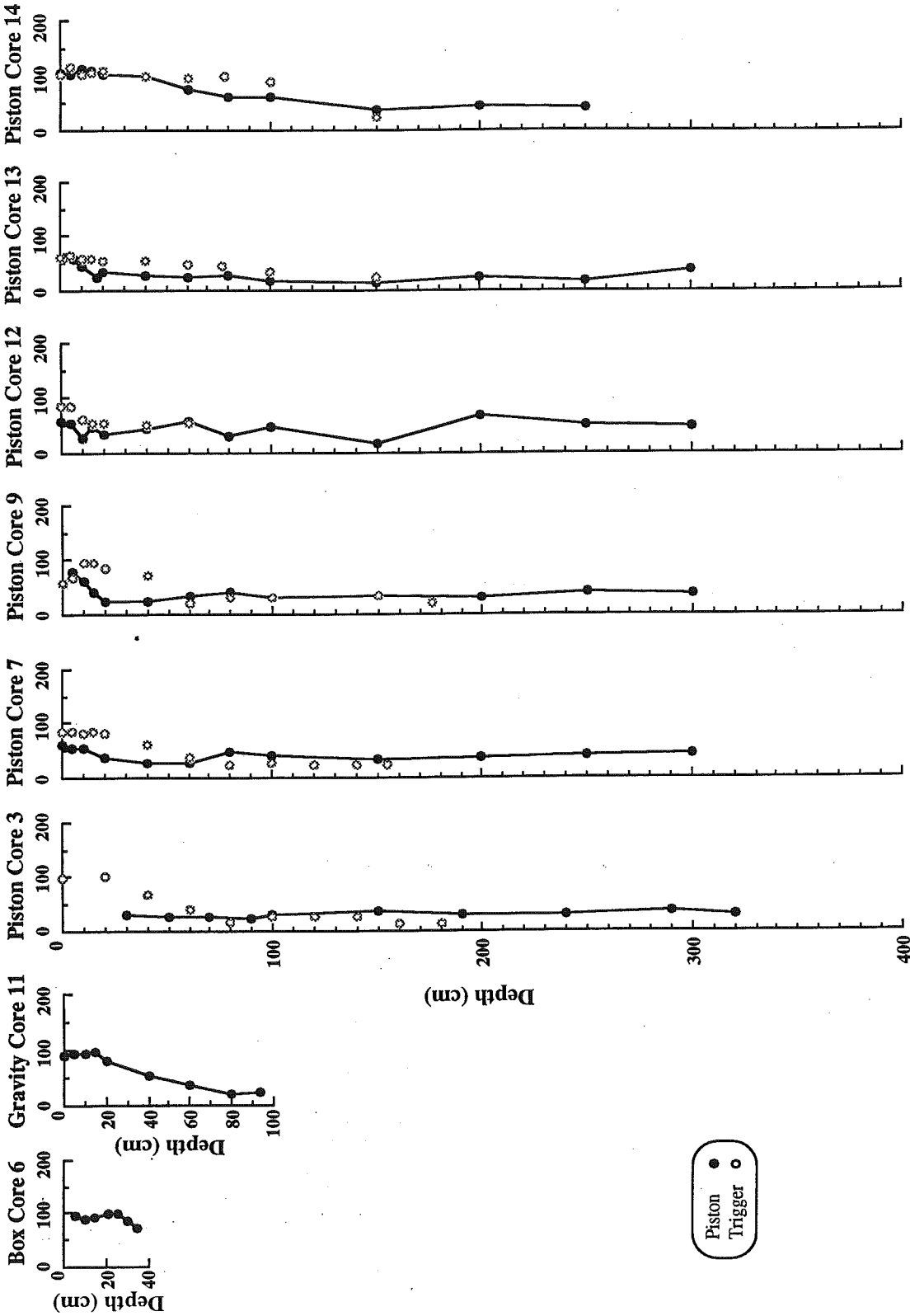
Piston
Trigger

CALCIUM
(leach residual)
(1000 $\mu\text{g}\cdot\text{g}^{-1}$ or ‰)



Hudson 91-020
Albatross Slope

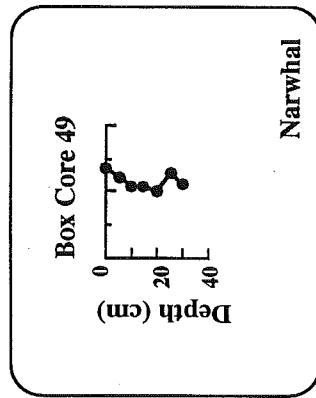
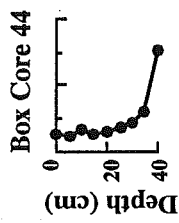
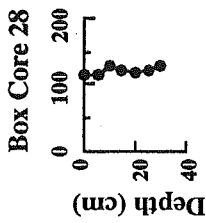
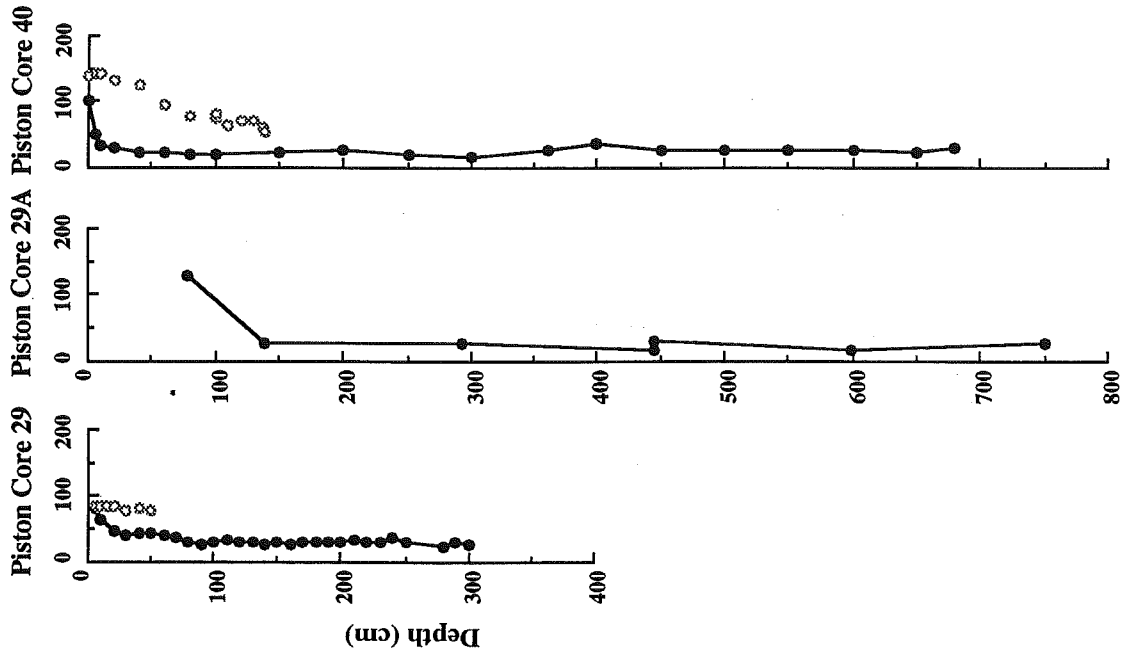
CALCIUM
(total - $1000 \mu\text{g}\cdot\text{g}^{-1}$ Or $\% \circ$)



Hudson 91-020
St. Pierre Slope

CALCIUM

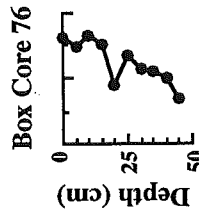
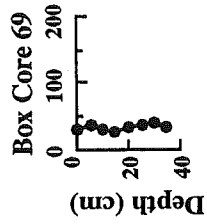
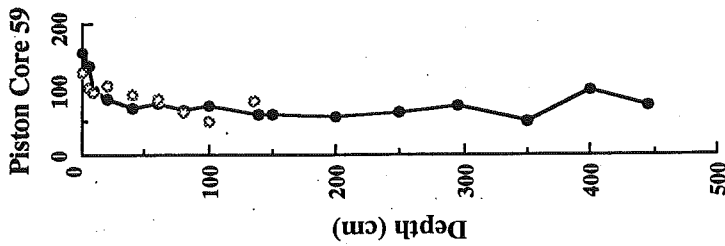
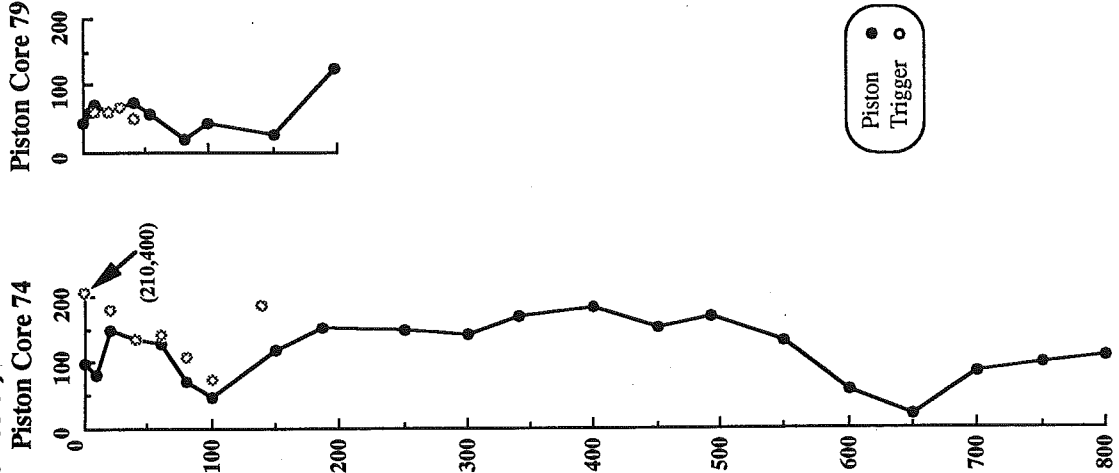
(total - 1000 $\mu\text{g}\cdot\text{g}^{-1}$ or $\% \circ$)



CALCIUM
(total -1000 $\mu\text{g}\cdot\text{g}^{-1}$ Or $\%$)

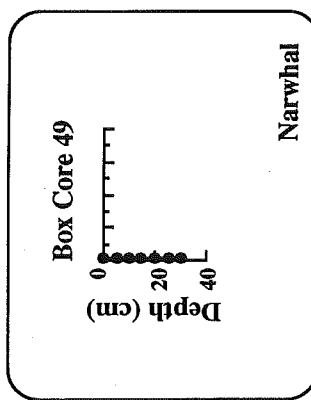
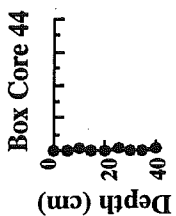
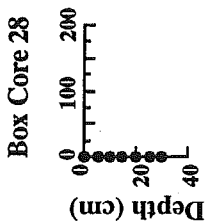
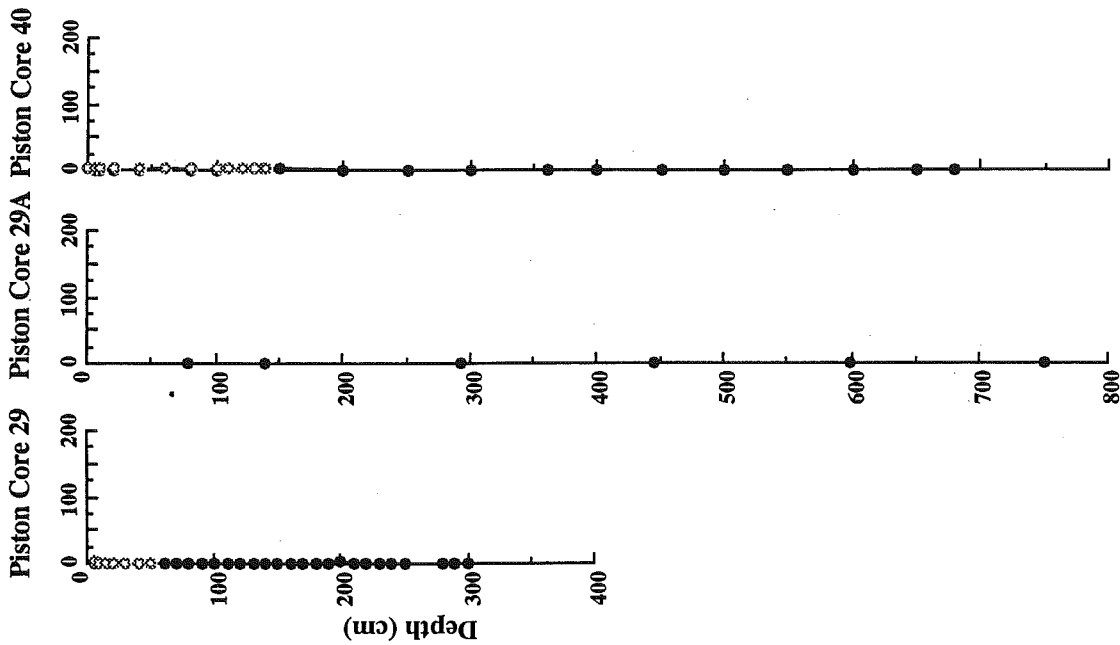
Hudson 91-020

Titanic Wreck Site & Flemish Cap



Hudson 91-020
St. Pierre Slope

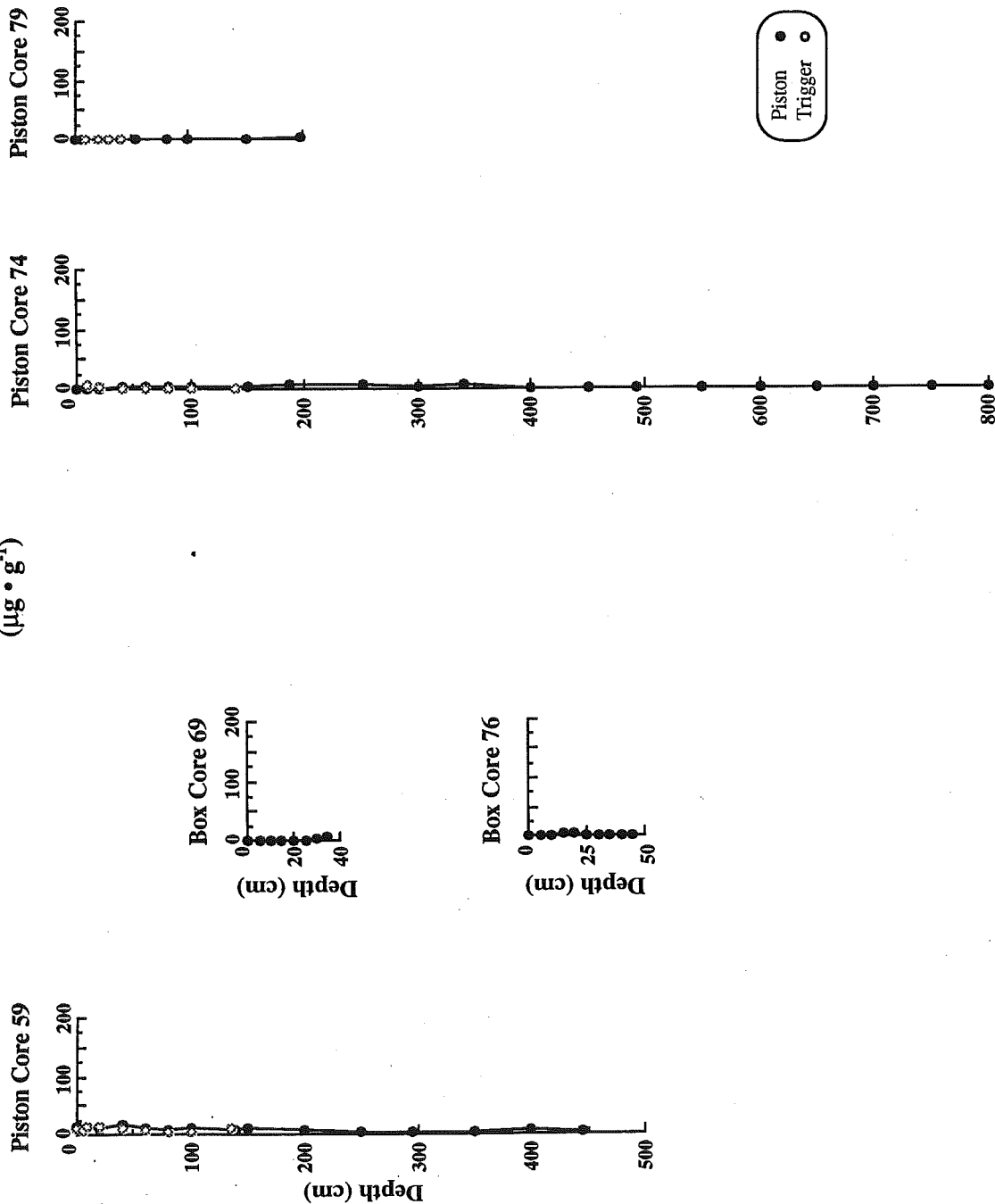
COPPER
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston ●
Trigger ○

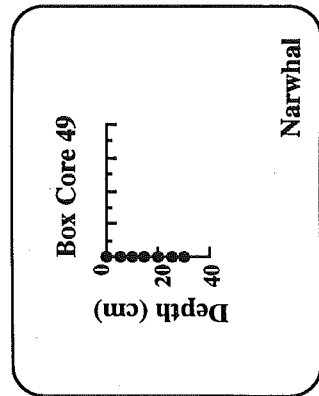
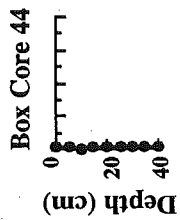
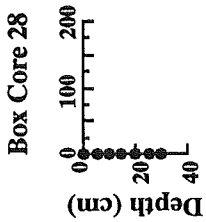
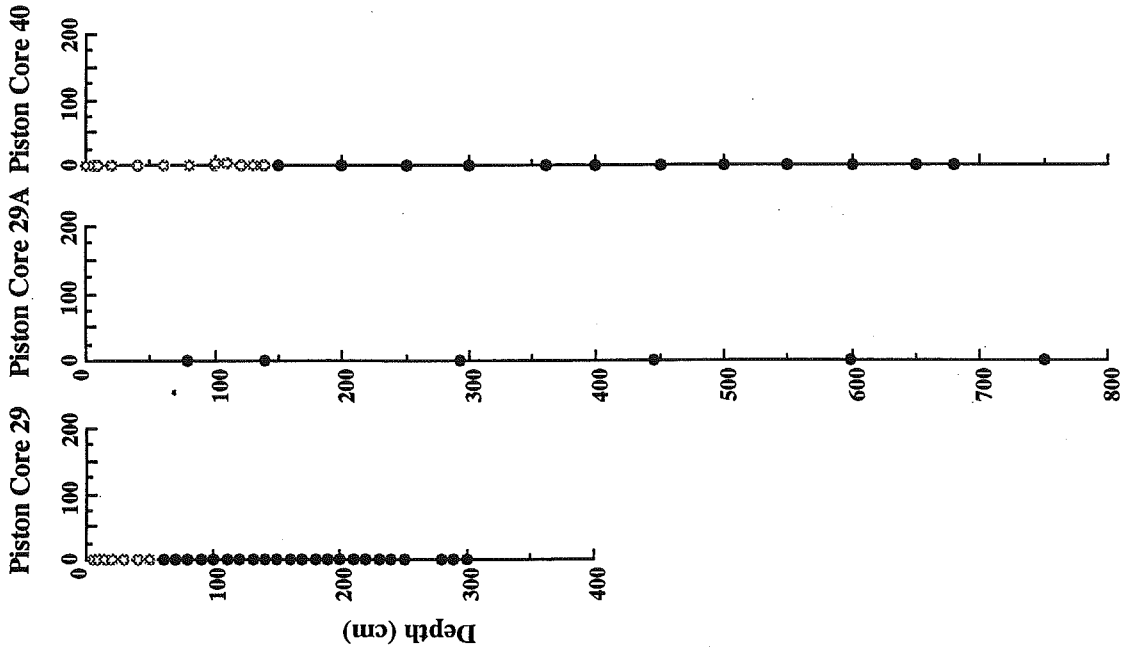
Hudson 91-020
Titanic Wreck Site & Flemish Cap

COPPER
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope

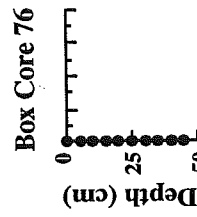
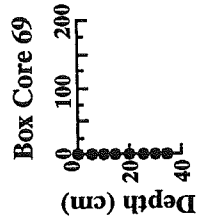
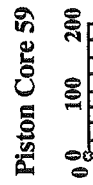
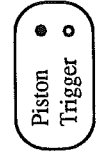
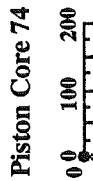
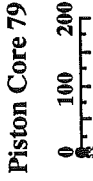
COPPER
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston ●
Trigger ○

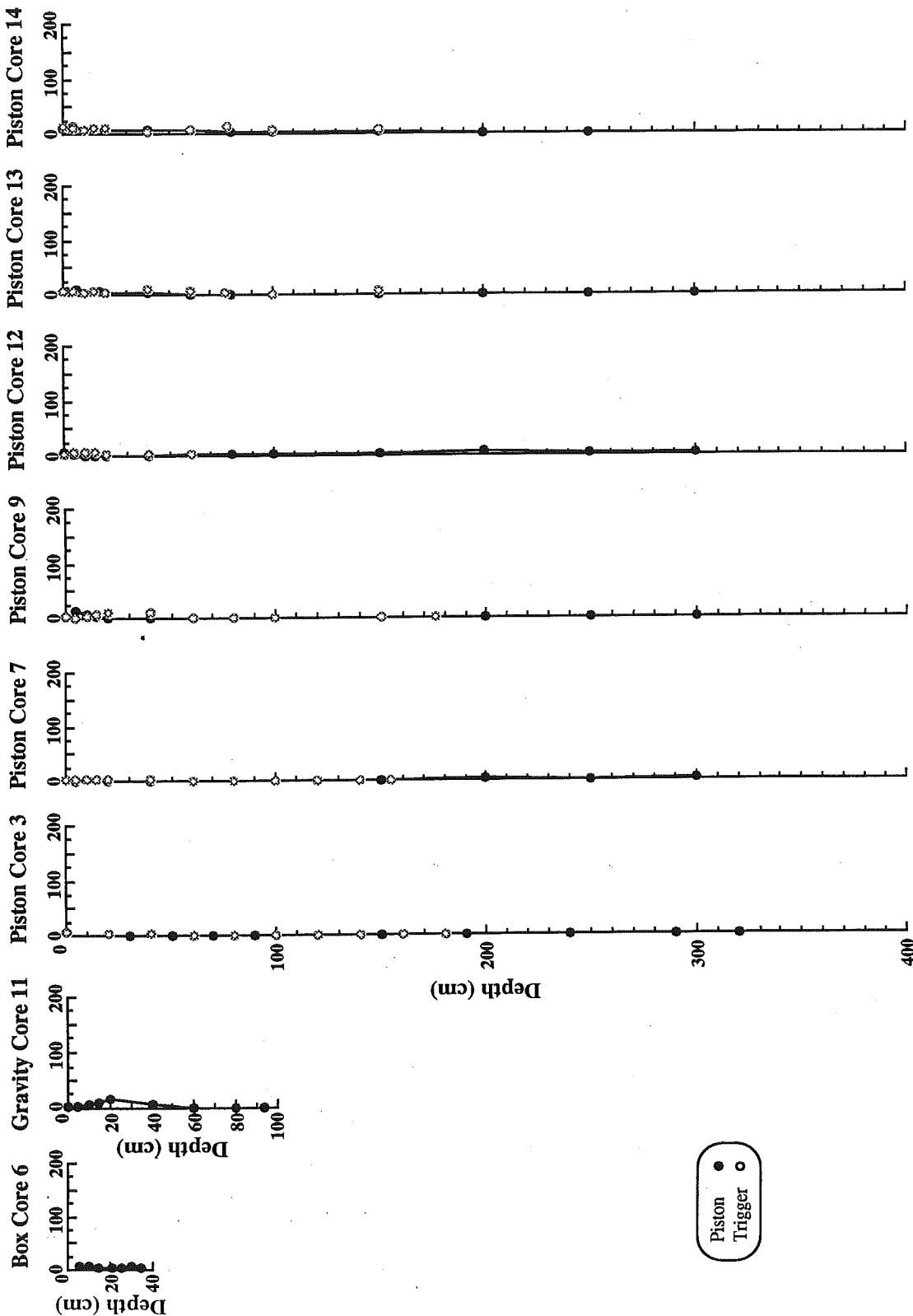
Hudson 91-020
Titanic Wreck Site & Flemish Cap

COPPER
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



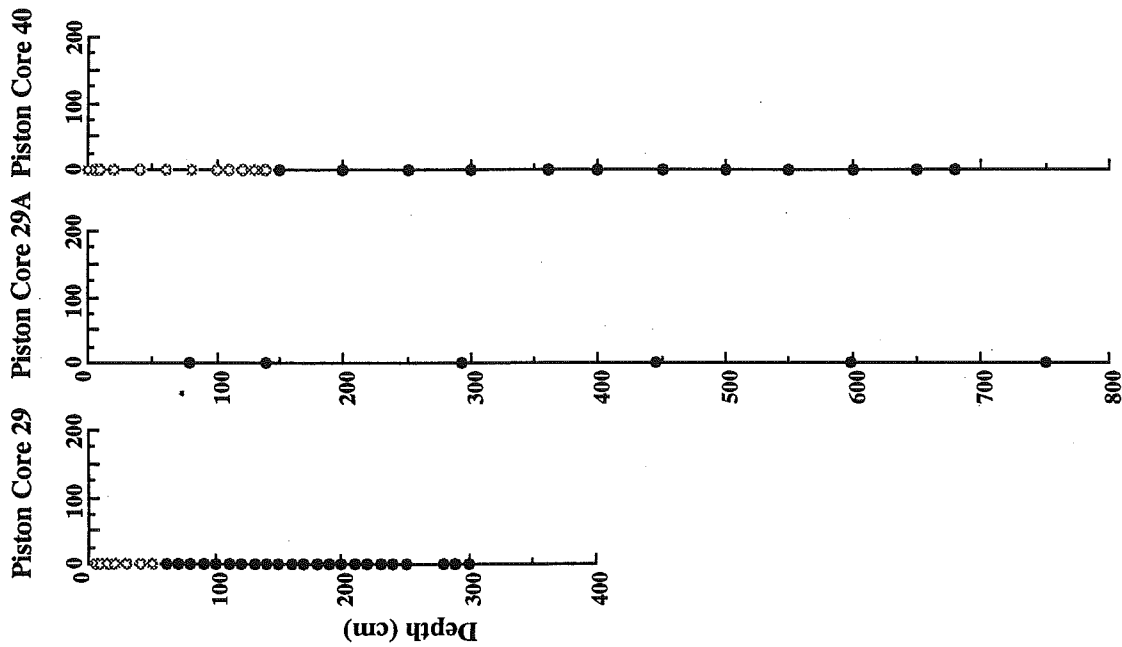
Hudson 91-020
Albatross Slope

COPPER
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

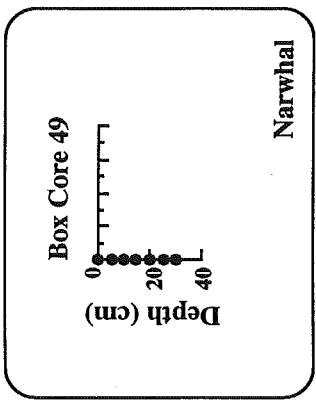
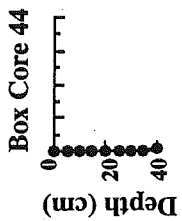
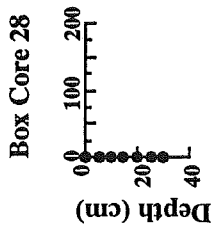


Hudson 91-020
St. Pierre Slope

COPPER
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

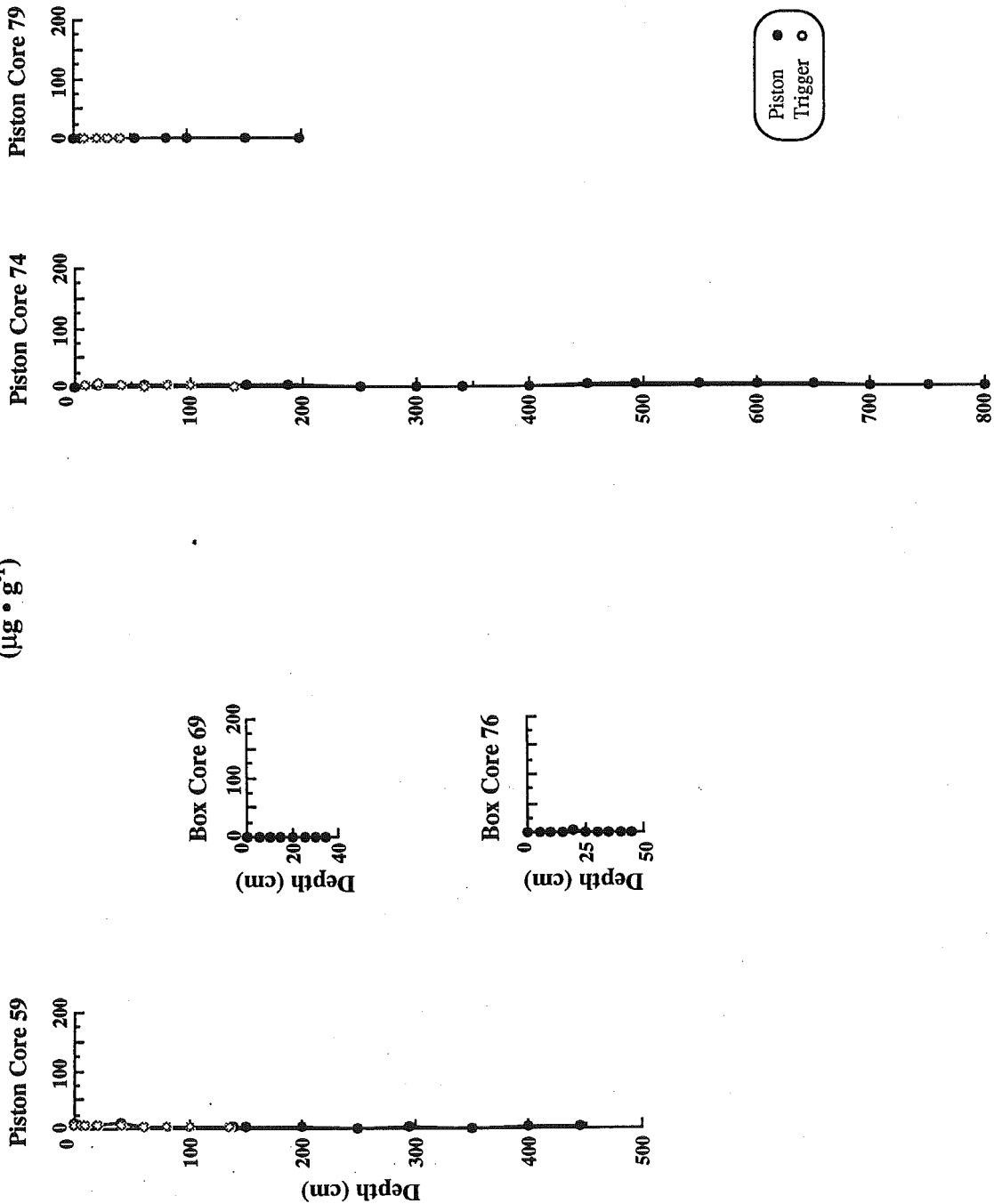


● Piston
○ Trigger



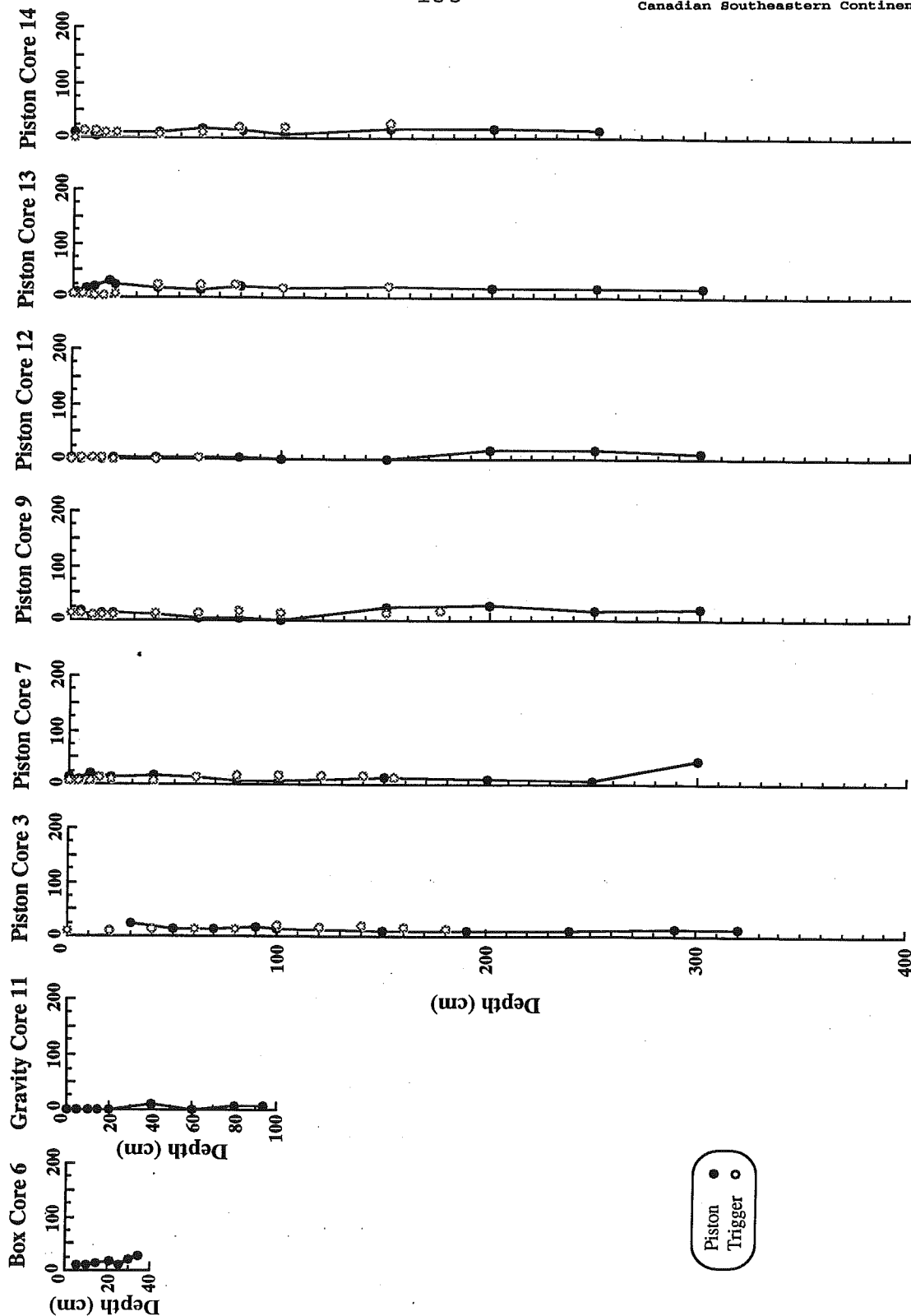
**Hudson 91-020
Titanic Wreck Site & Flemish Cap**

**COPPER
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)**



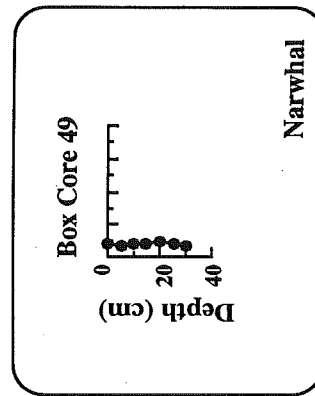
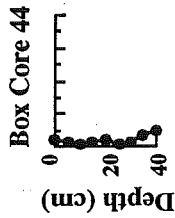
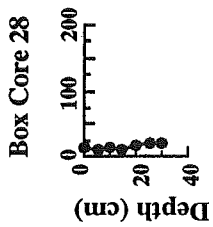
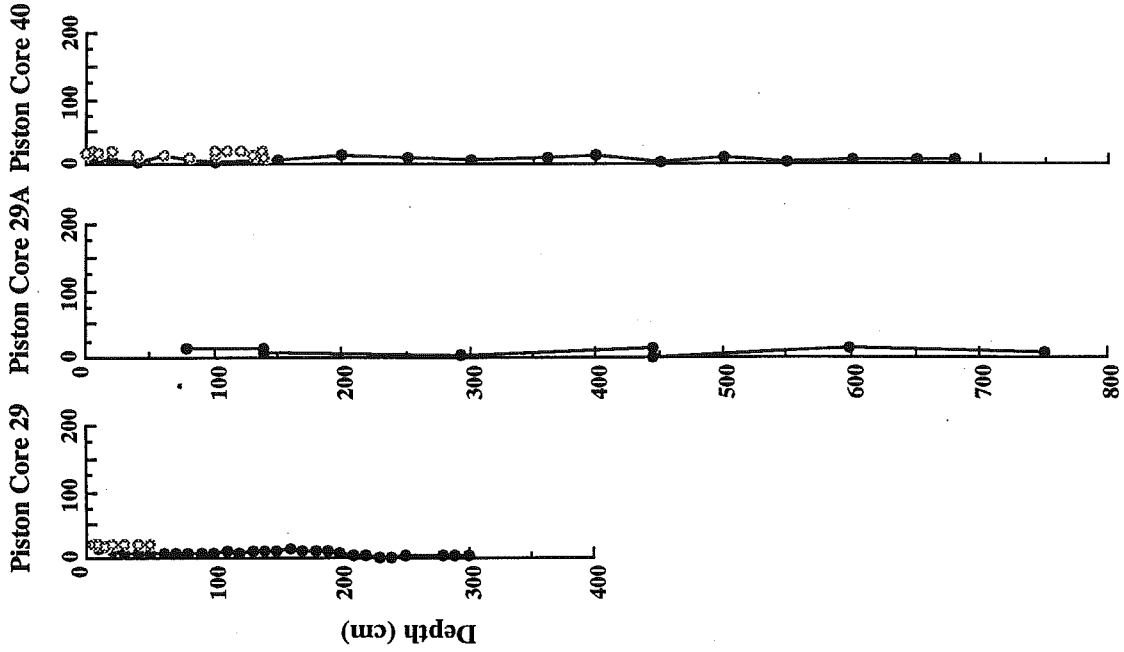
Hudson 91-020
Albatross Slope

COPPER
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope

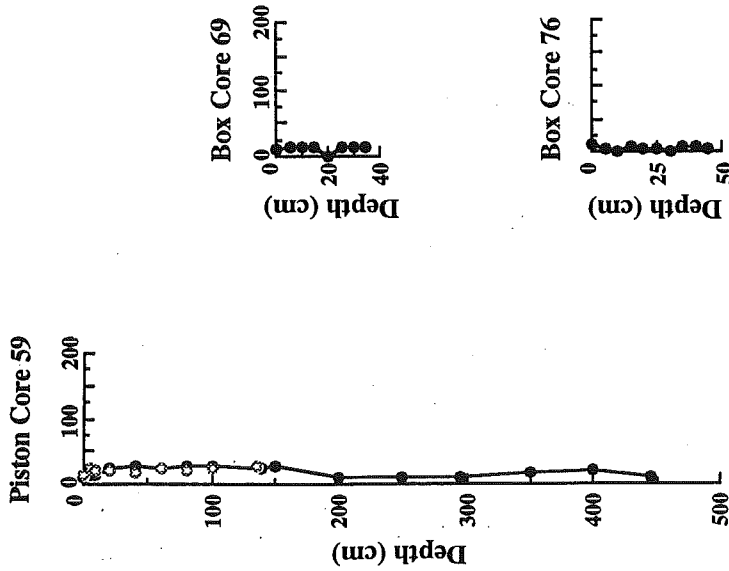
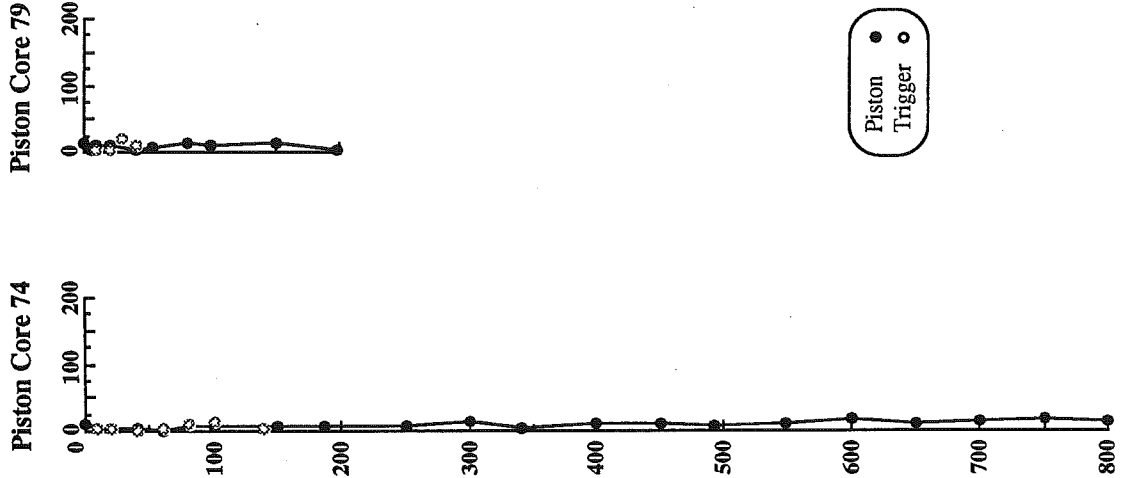
COPPER
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



● Piston
○ Trigger

Hudson 91-020
Titanic Wreck Site & Flemish Cap

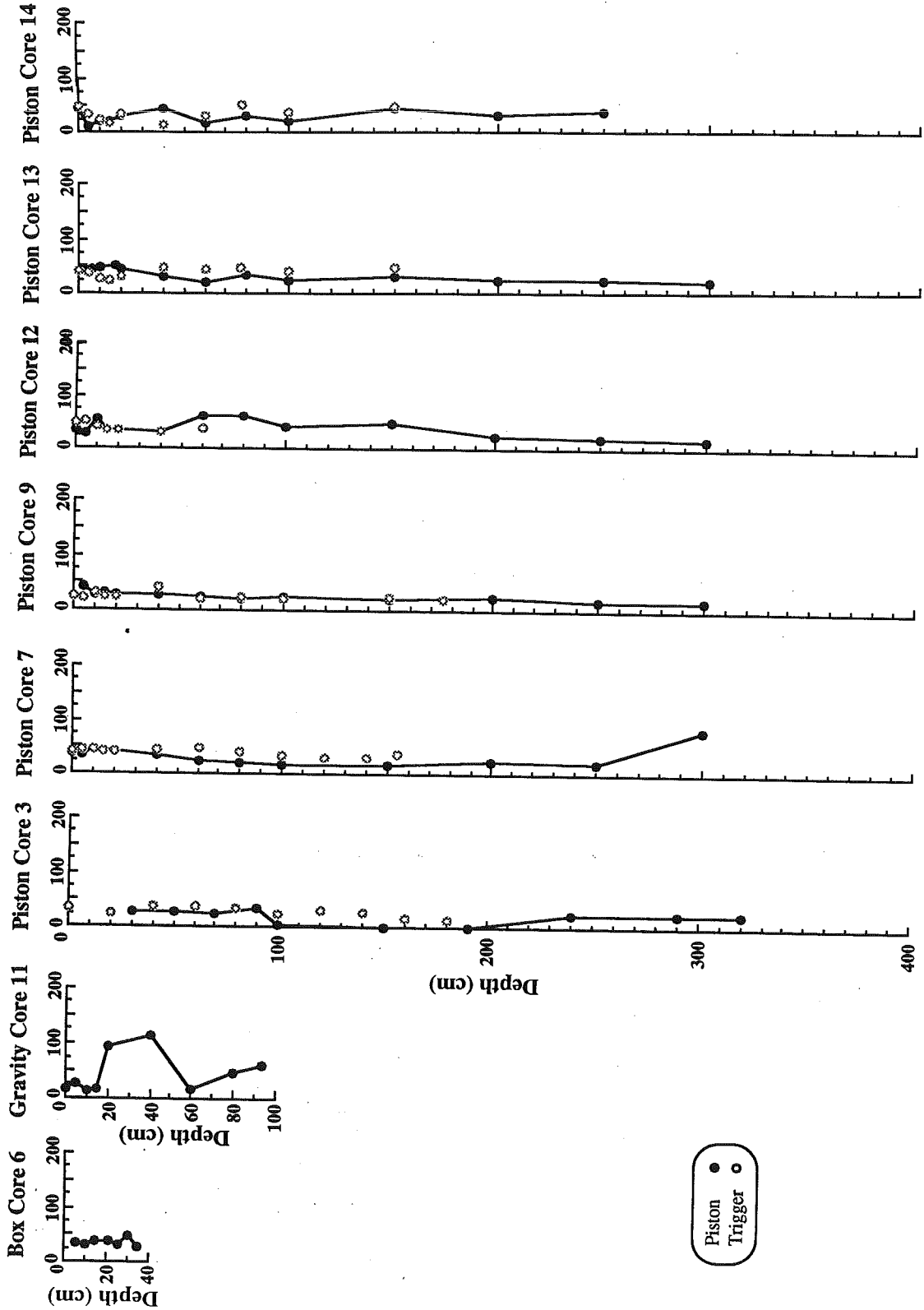
COPPER
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston (•)
Trigger (○)

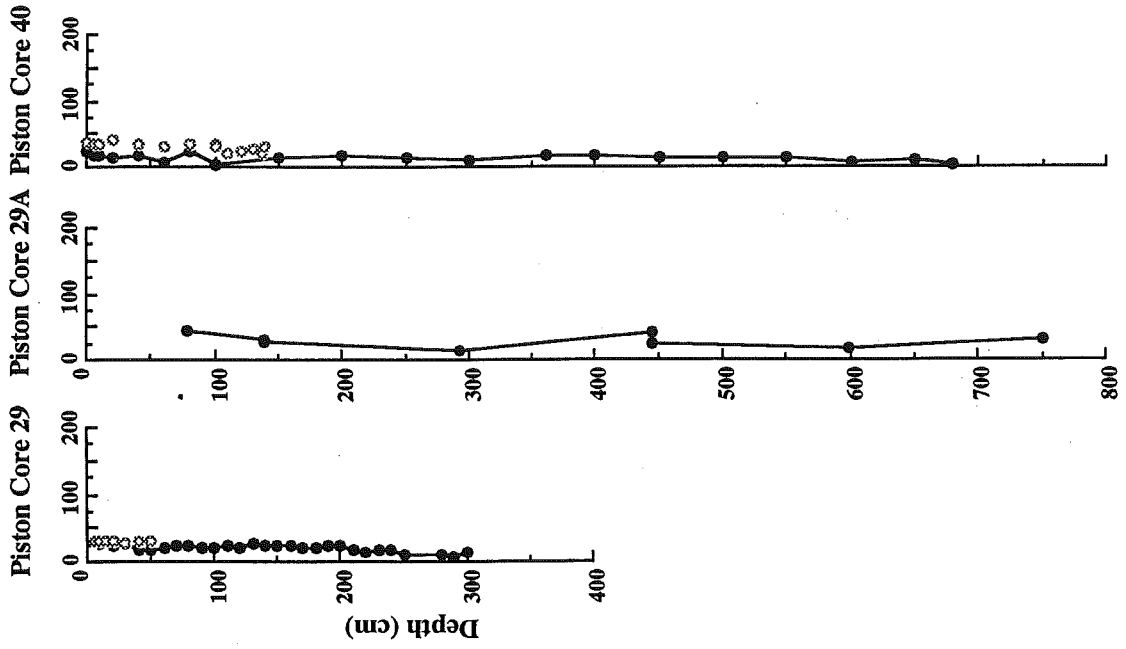
Hudson 91-020
Albatross Slope

COPPER
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

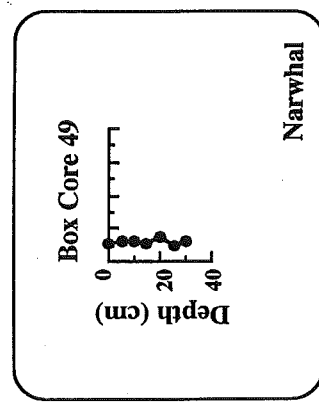
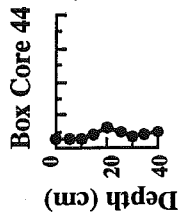
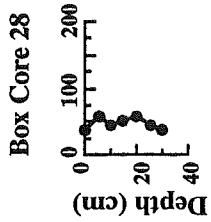


Hudson 91-020
St. Pierre Slope

COPPER
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



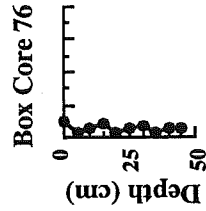
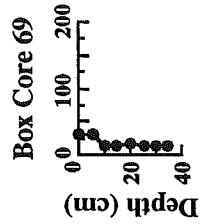
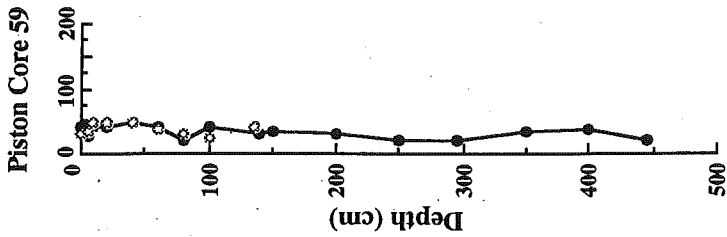
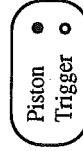
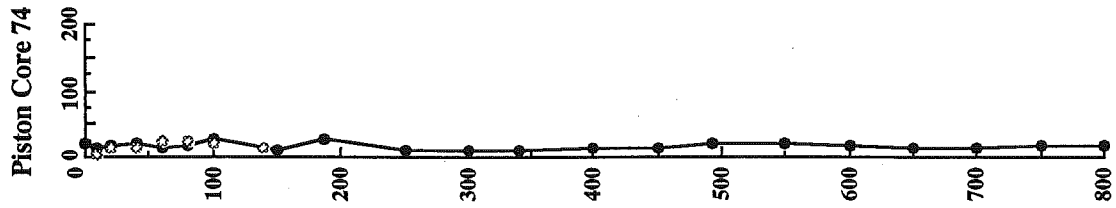
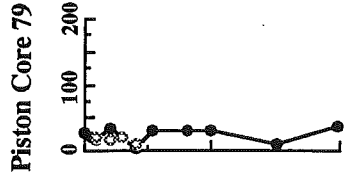
Piston
Trigger



Narwhal

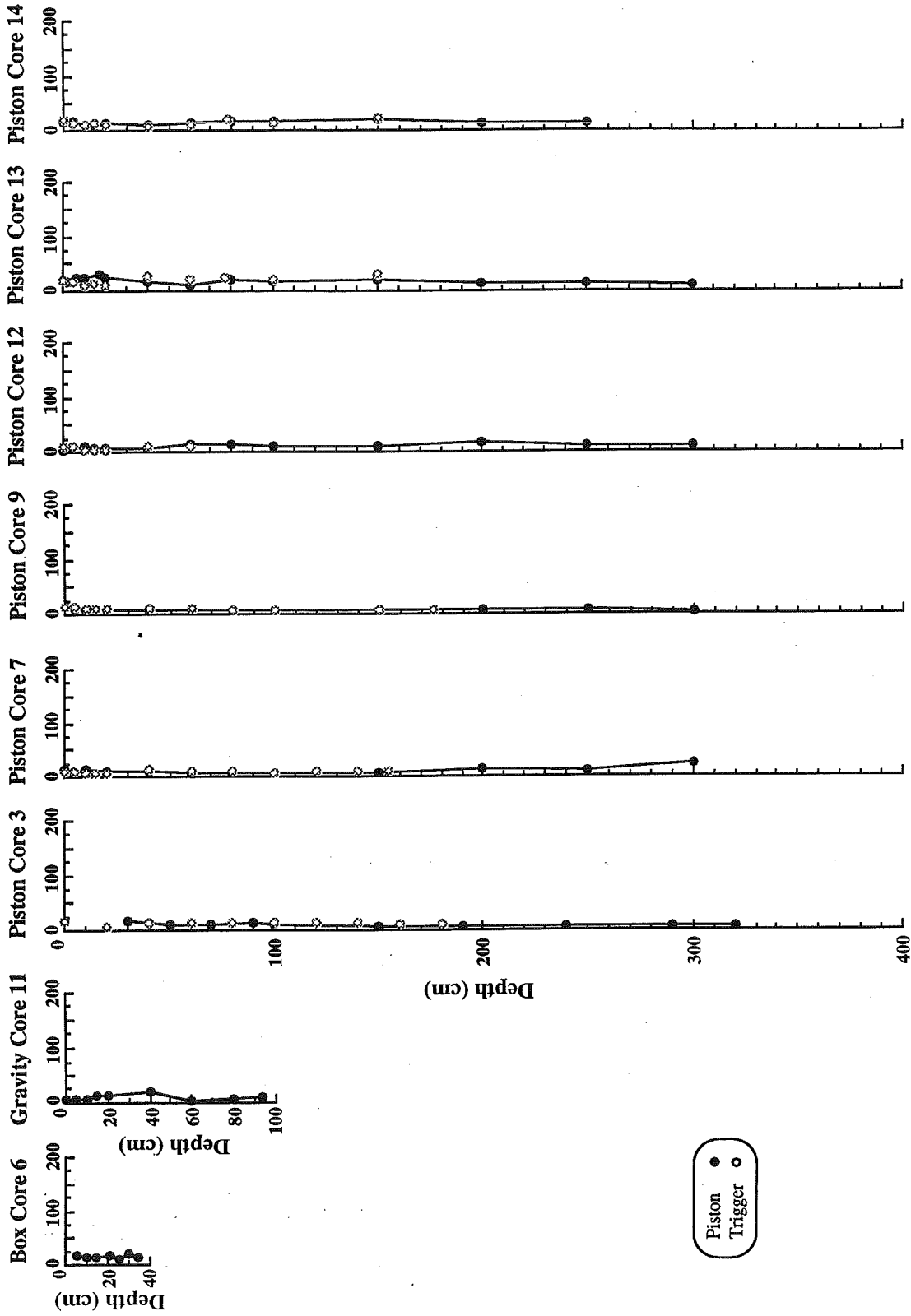
Hudson 91-020
Titanic Wreck Site & Flemish Cap

COPPER
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



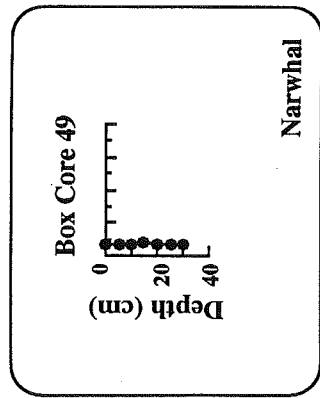
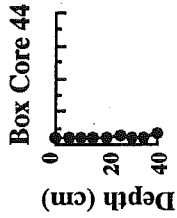
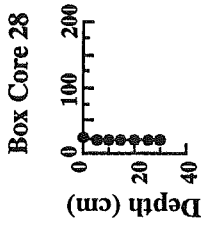
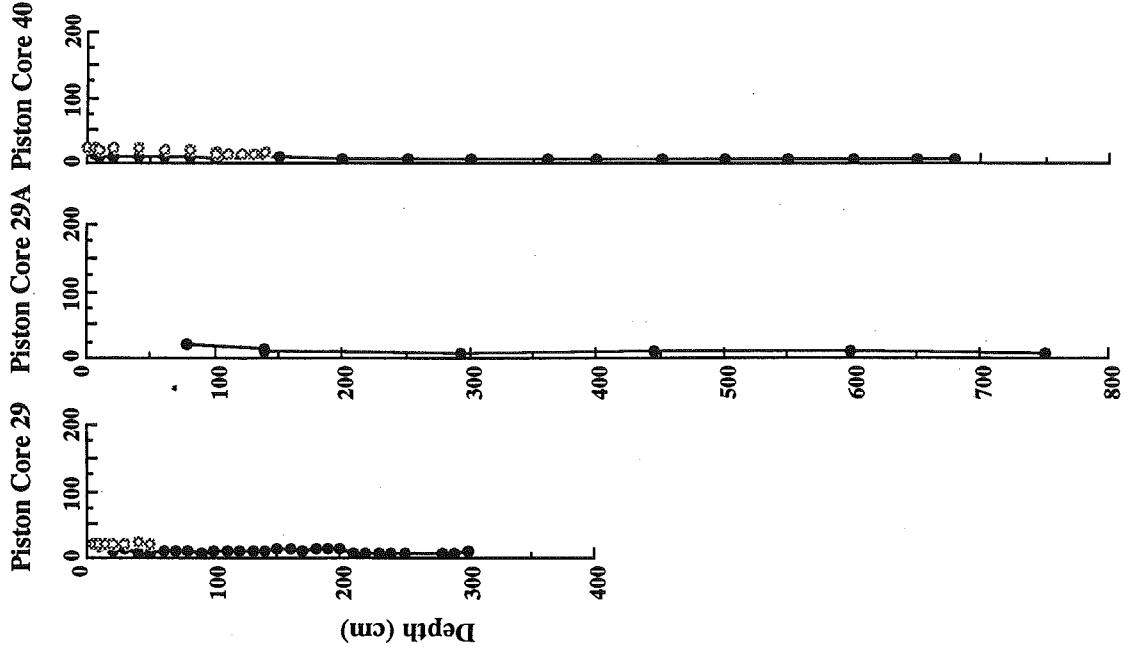
Hudson 91-020
Albatross Slope

COPPER
(organically bound)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope

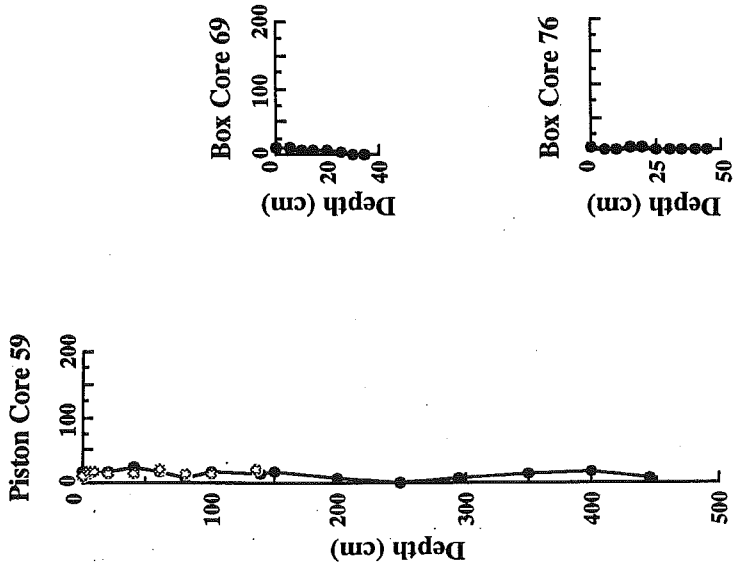
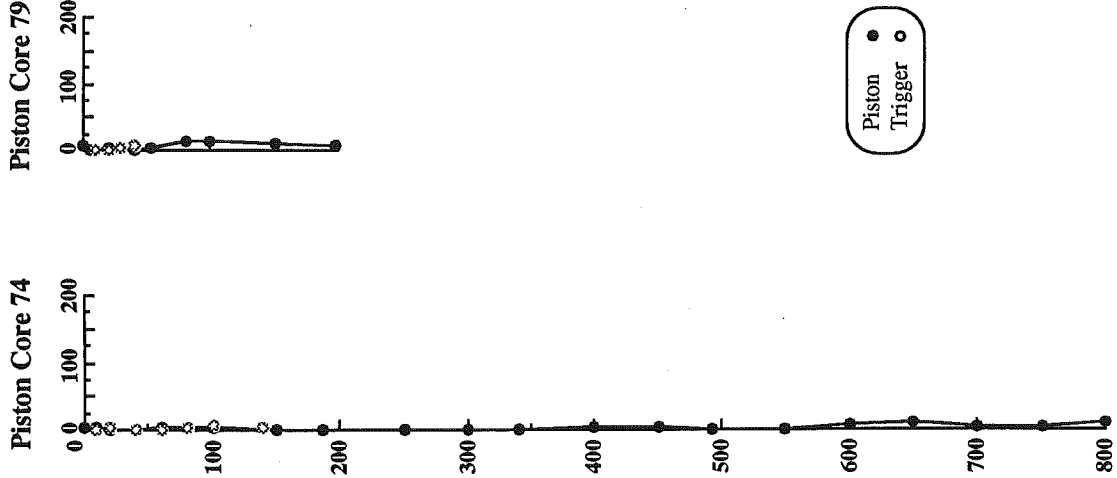
COPPER
(organically bound)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston ●
Trigger ○

Hudson 91-020
Titanic Wreck Site & Flemish Cap

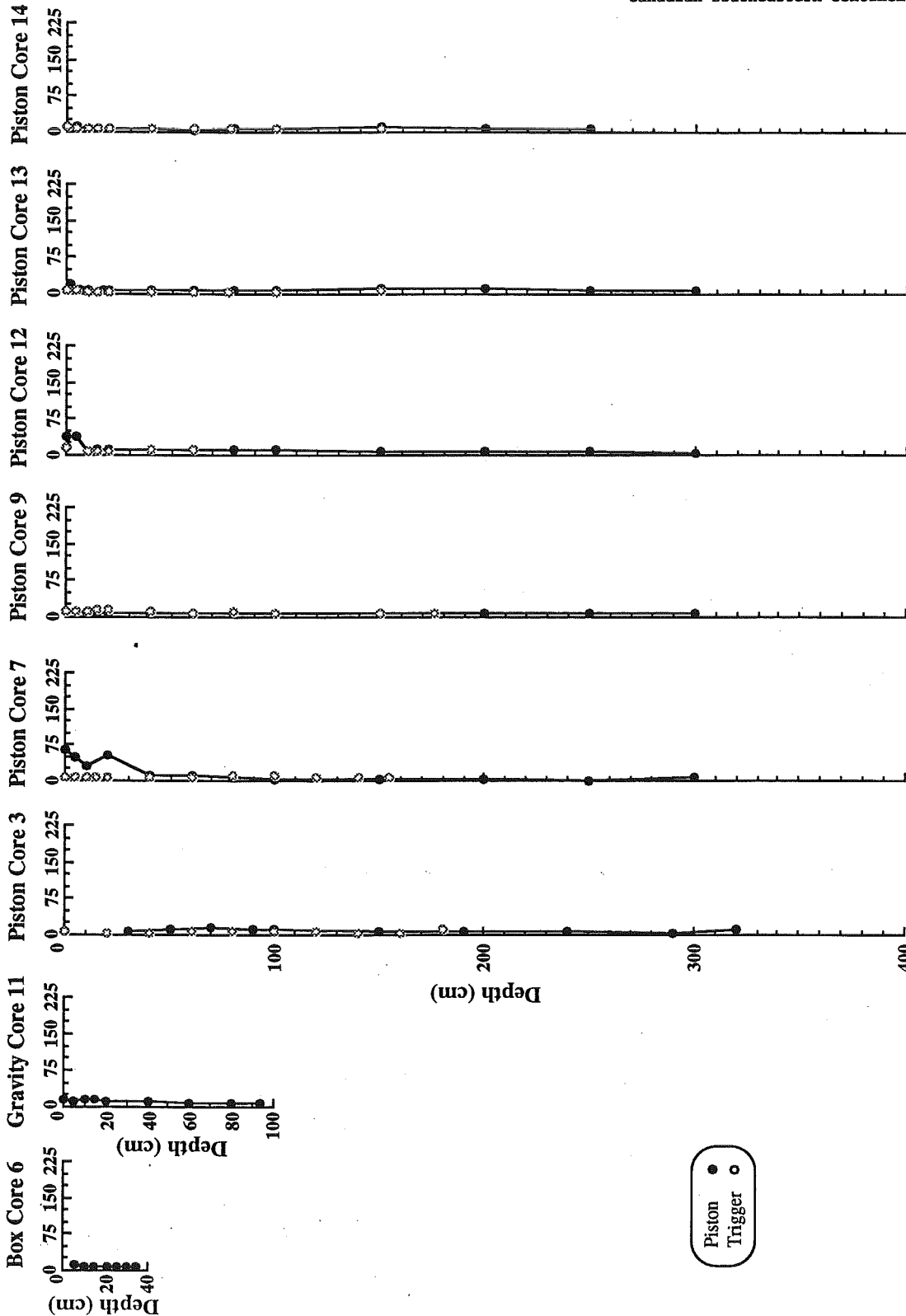
COPPER
(organically bound)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston ●
Trigger ○

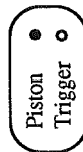
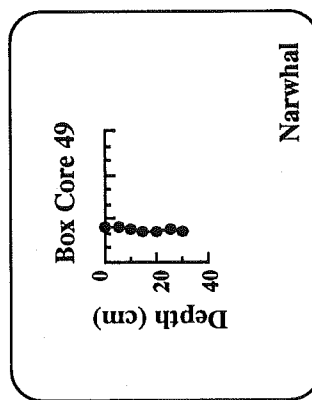
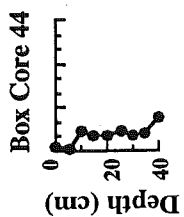
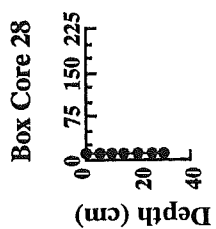
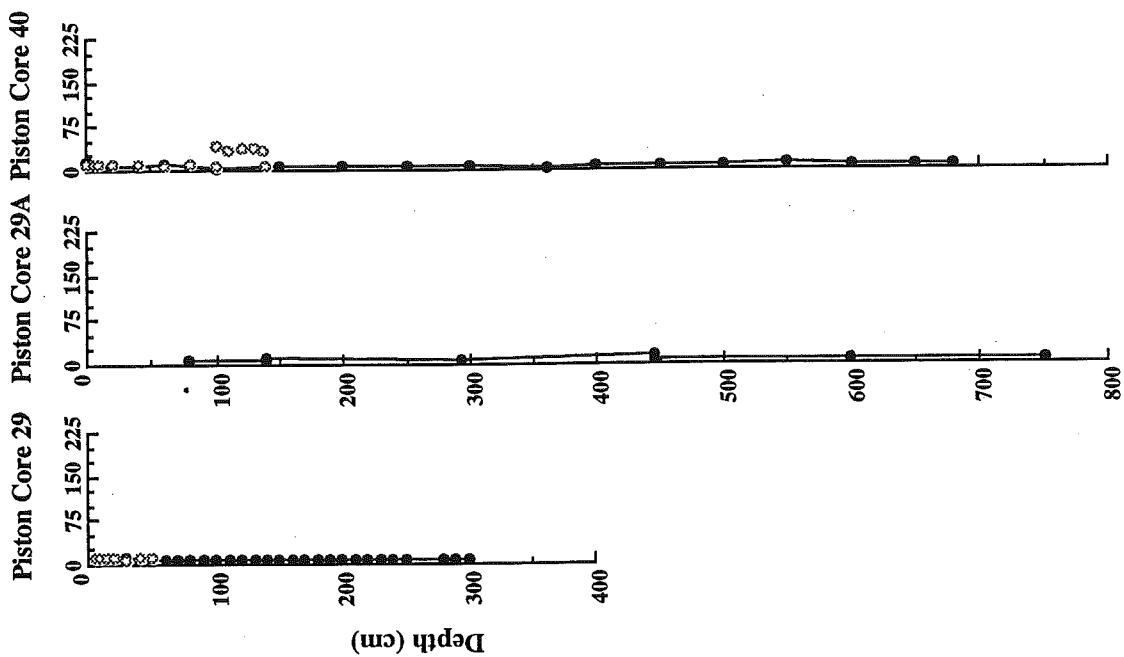
Hudson 91-020
Albatross Slope

ZINC
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope

ZINC
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

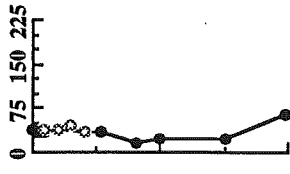


ZINC
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

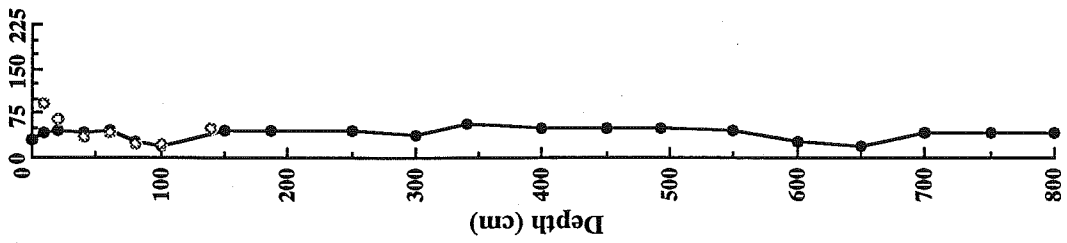
Hudson 91-020

Titanic Wreck Site & Flemish Cap

Piston Core 79

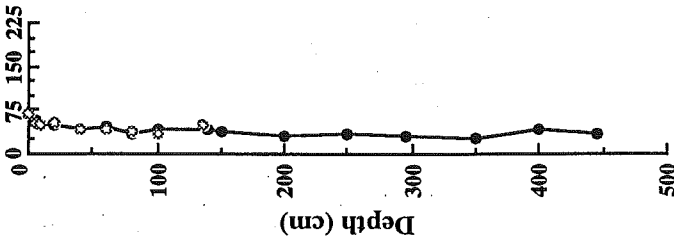


Piston Core 74

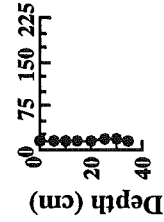


Piston ●
Trigger ○

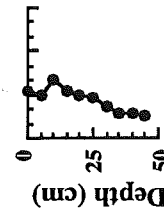
Piston Core 59



Box Core 69

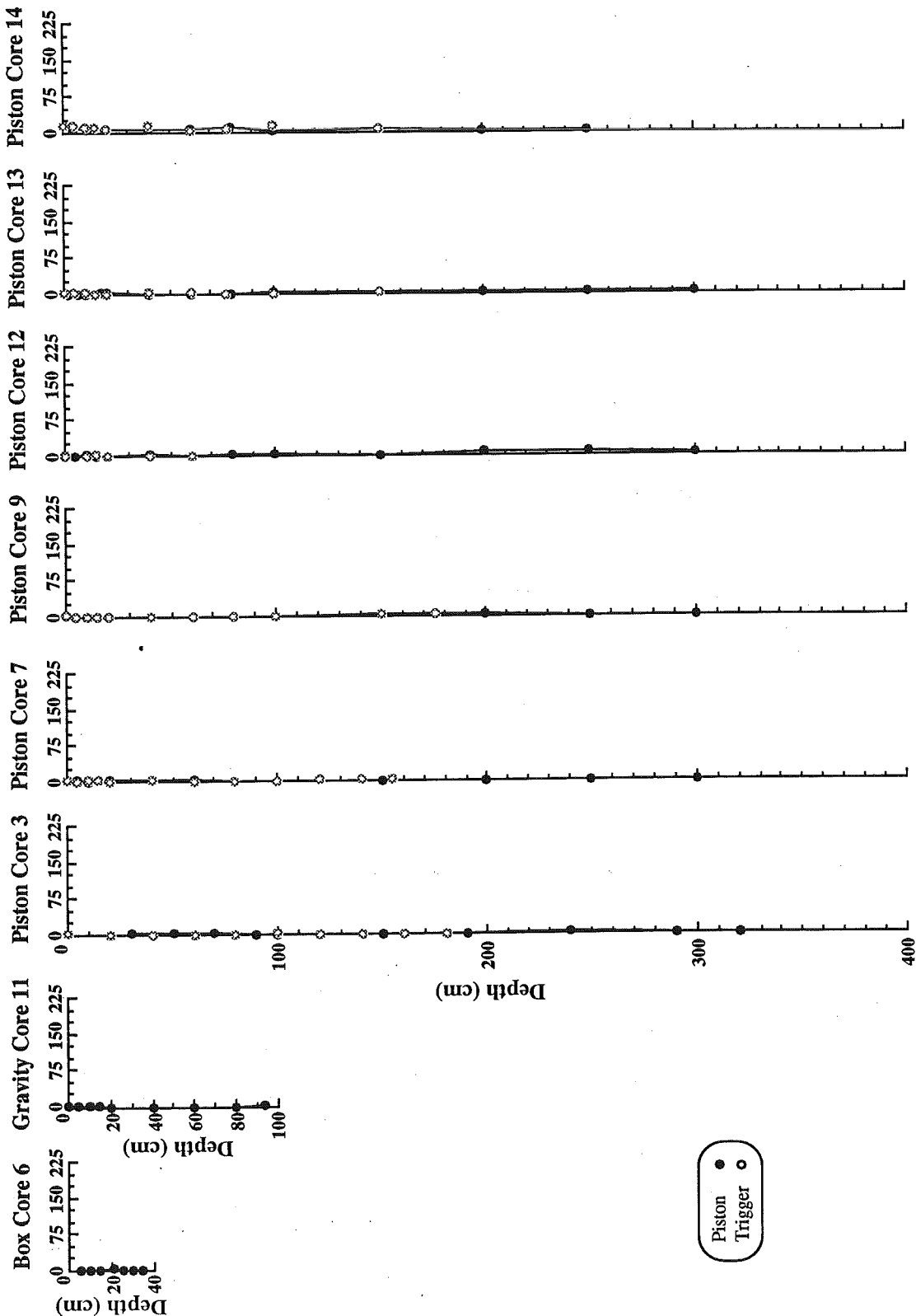


Box Core 76

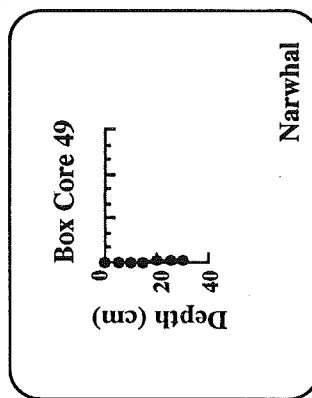
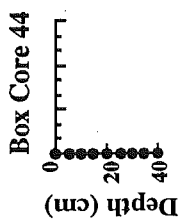
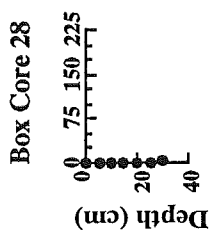
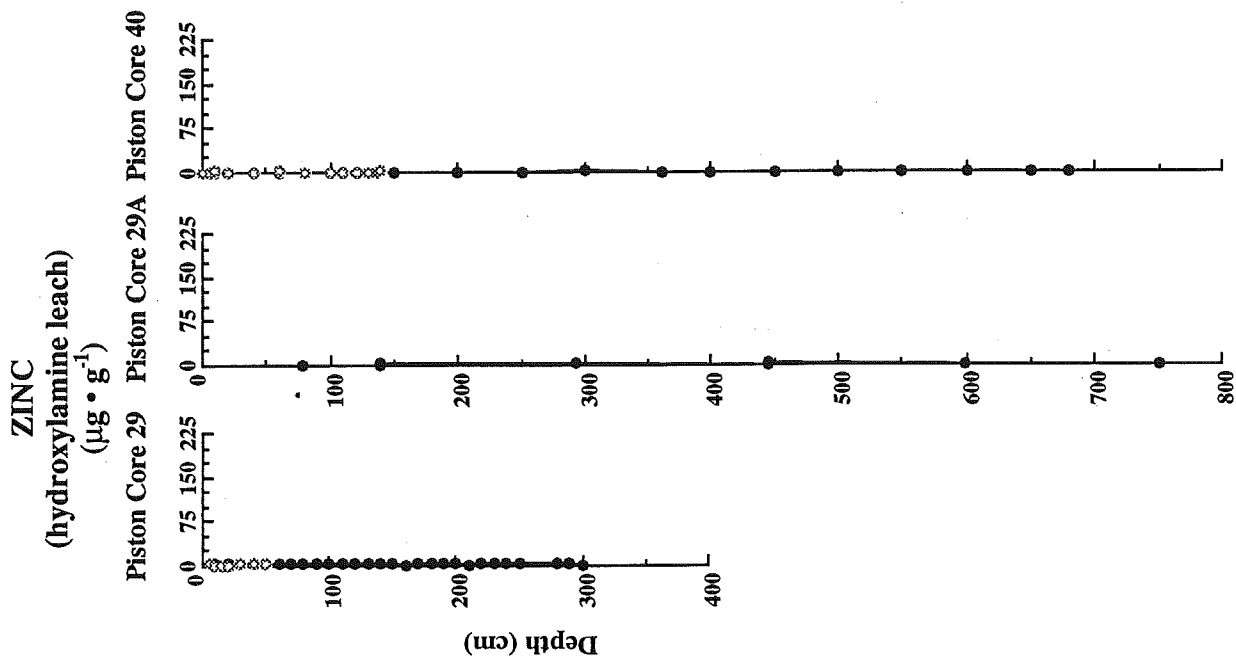


Hudson 91-020
Albatross Slope

ZINC
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope

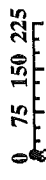


ZINC
(hydroxylamine leach)

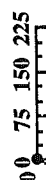
Hudson 91-020

Titanic Wreck Site & Flemish Cap

Piston Core 79

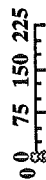


Piston Core 74

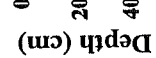
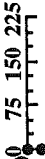


($\mu\text{g} \cdot \text{g}^{-1}$)

Piston Core 59



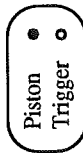
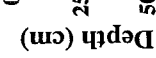
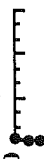
Box Core 69



Depth (cm)

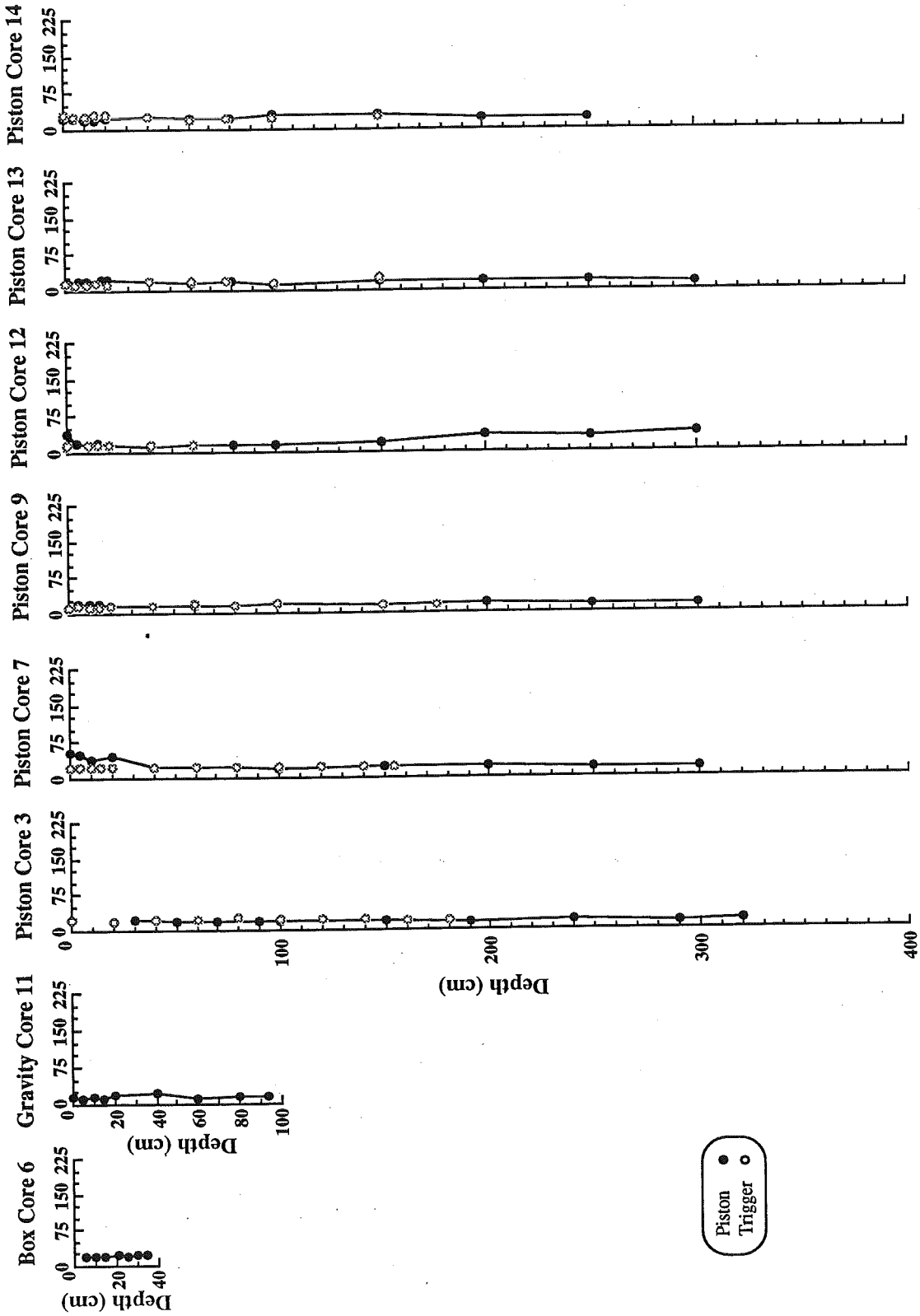
0 100 200 300 400 500 600 700 800

Box Core 76



Hudson 91-020
Albatross Slope

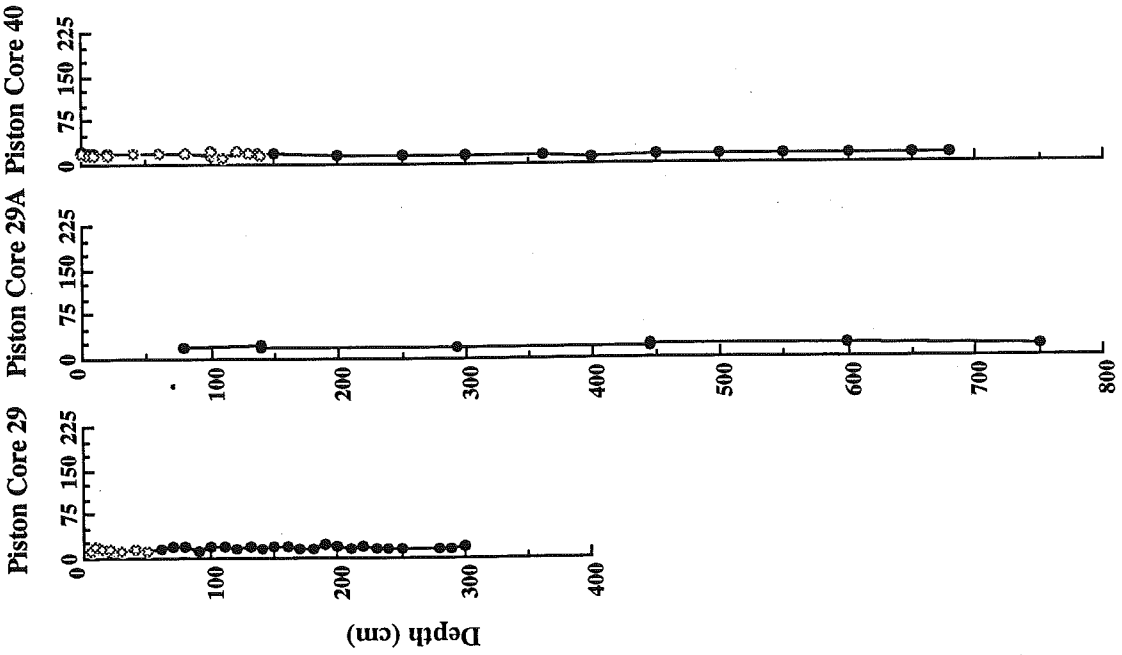
ZINC
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



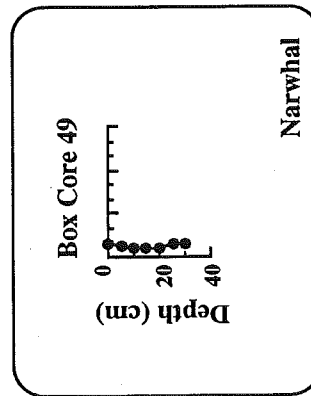
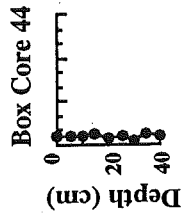
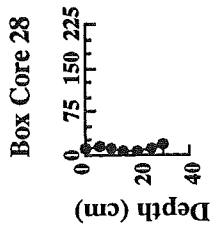
Piston
Trigger

Hudson 91-020
St. Pierre Slope

ZINC
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston ●
Trigger ○

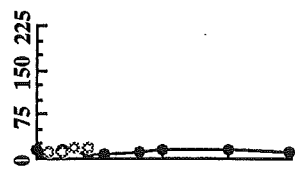


ZINC
(heated hydroxylamine leach)

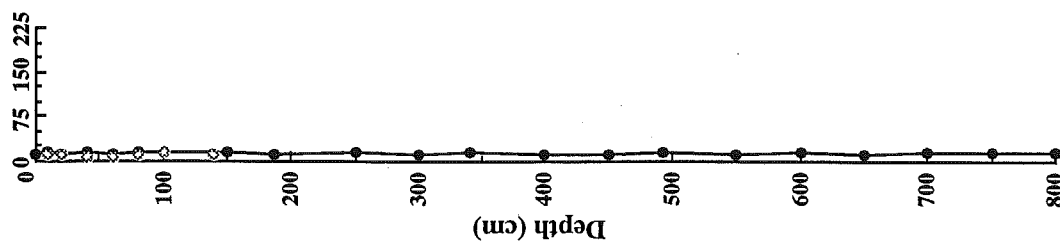
Hudson 91-020

Titanic Wreck Site & Flemish Cap

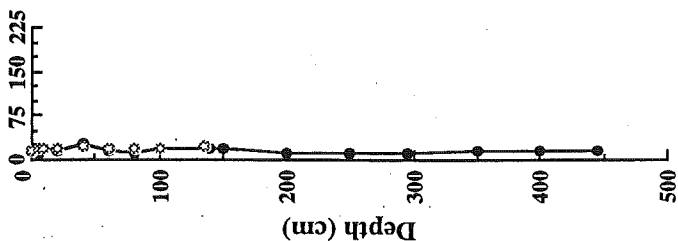
Piston Core 79



Piston Core 74



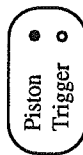
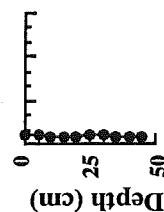
Piston Core 59



Box Core 69

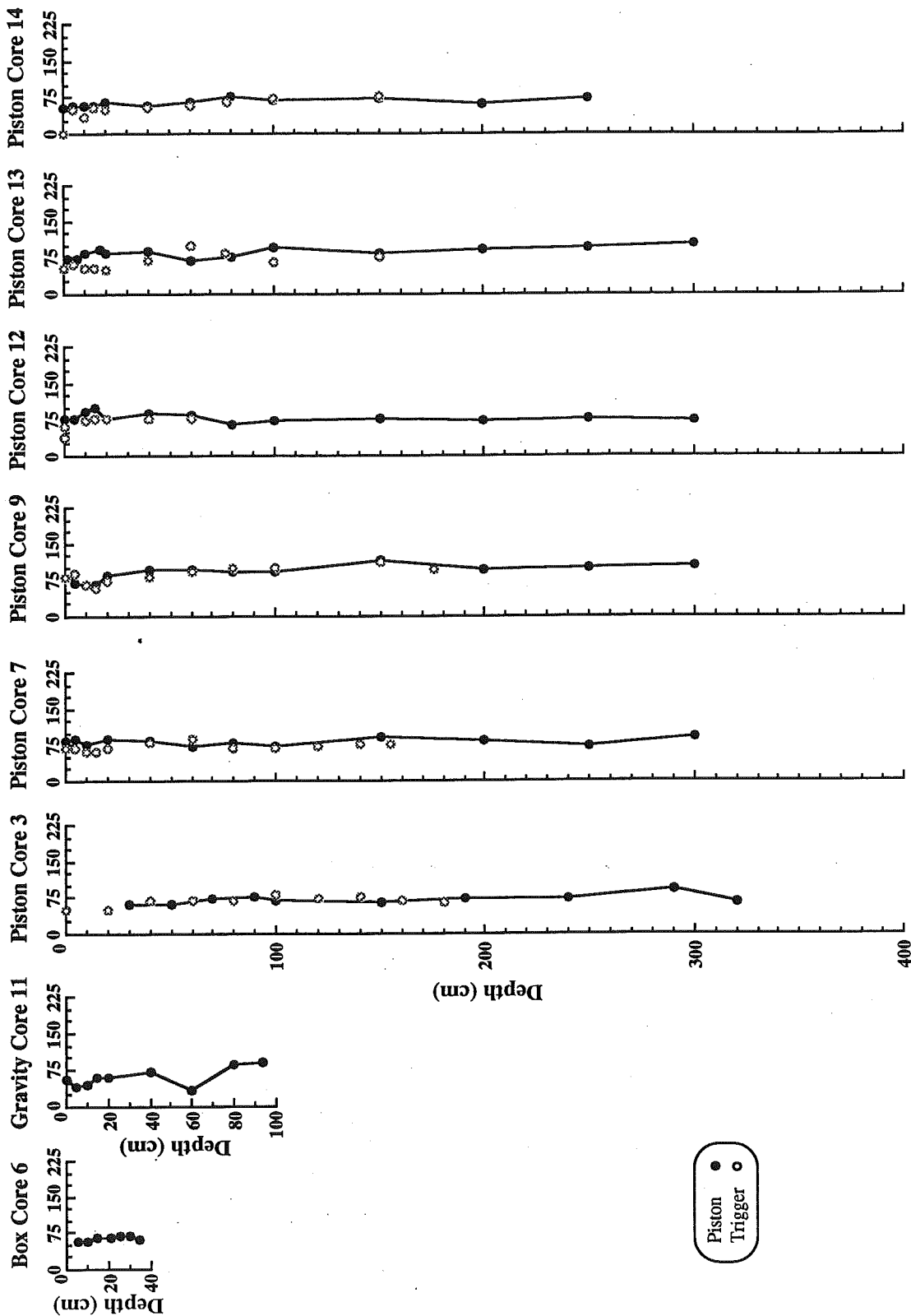


Box Core 76



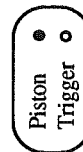
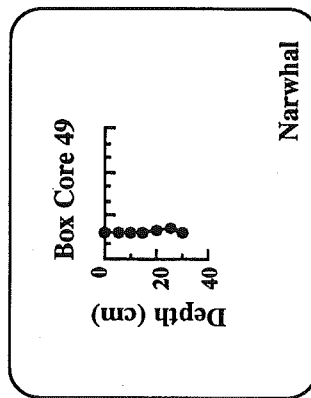
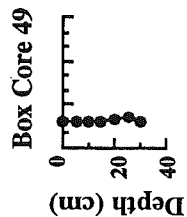
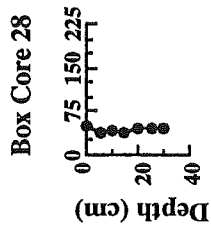
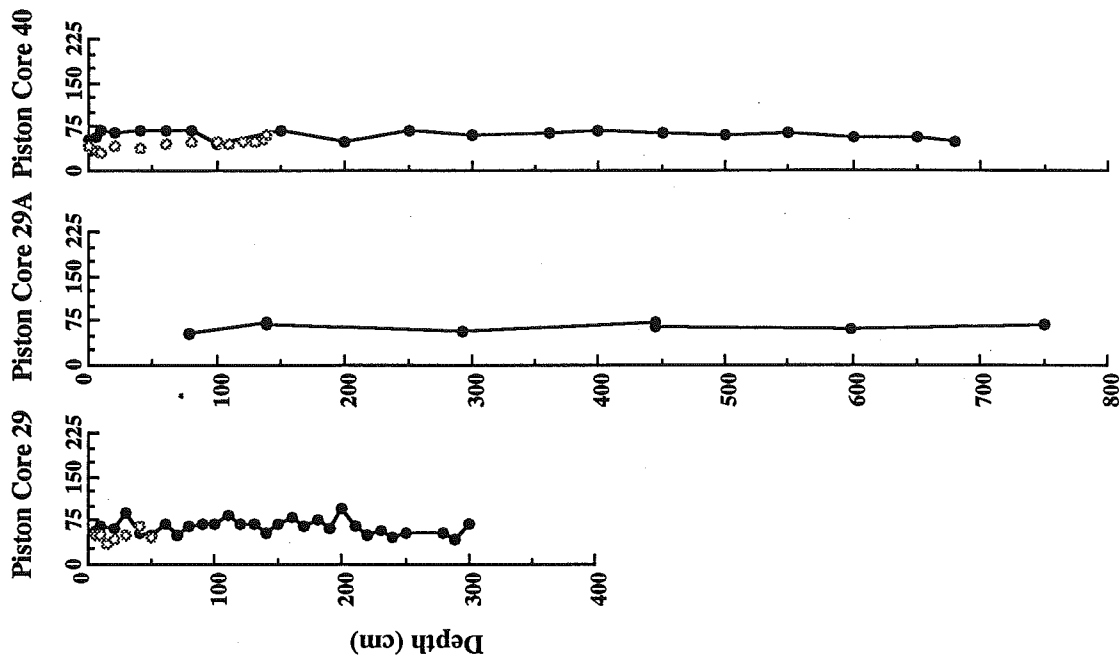
Hudson 91-020
Albatross Slope

ZINC
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



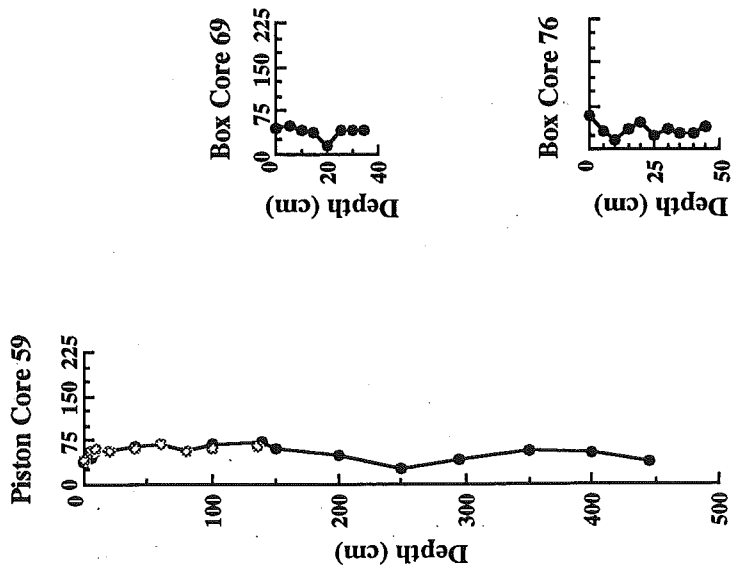
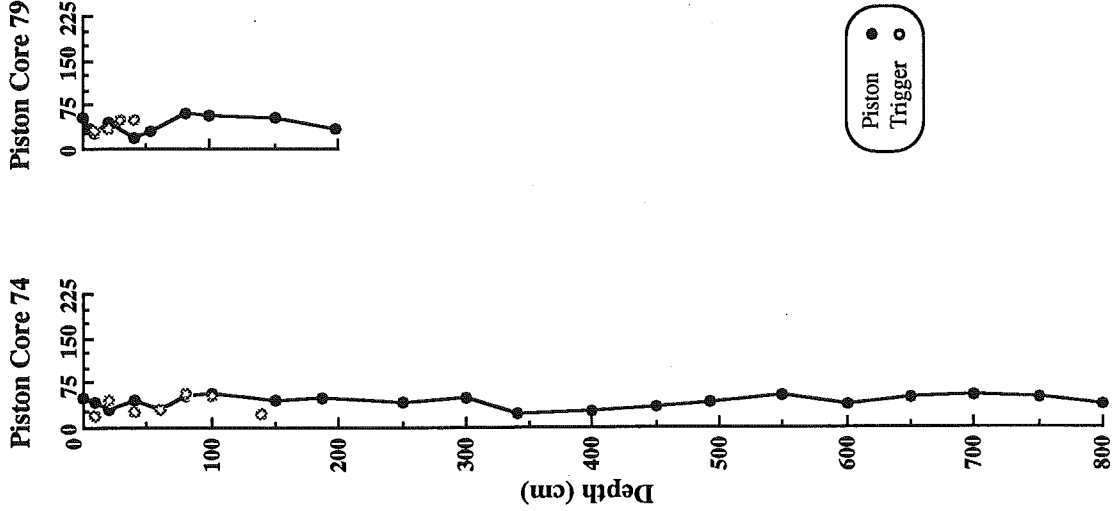
Hudson 91-020
St. Pierre Slope

ZINC
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



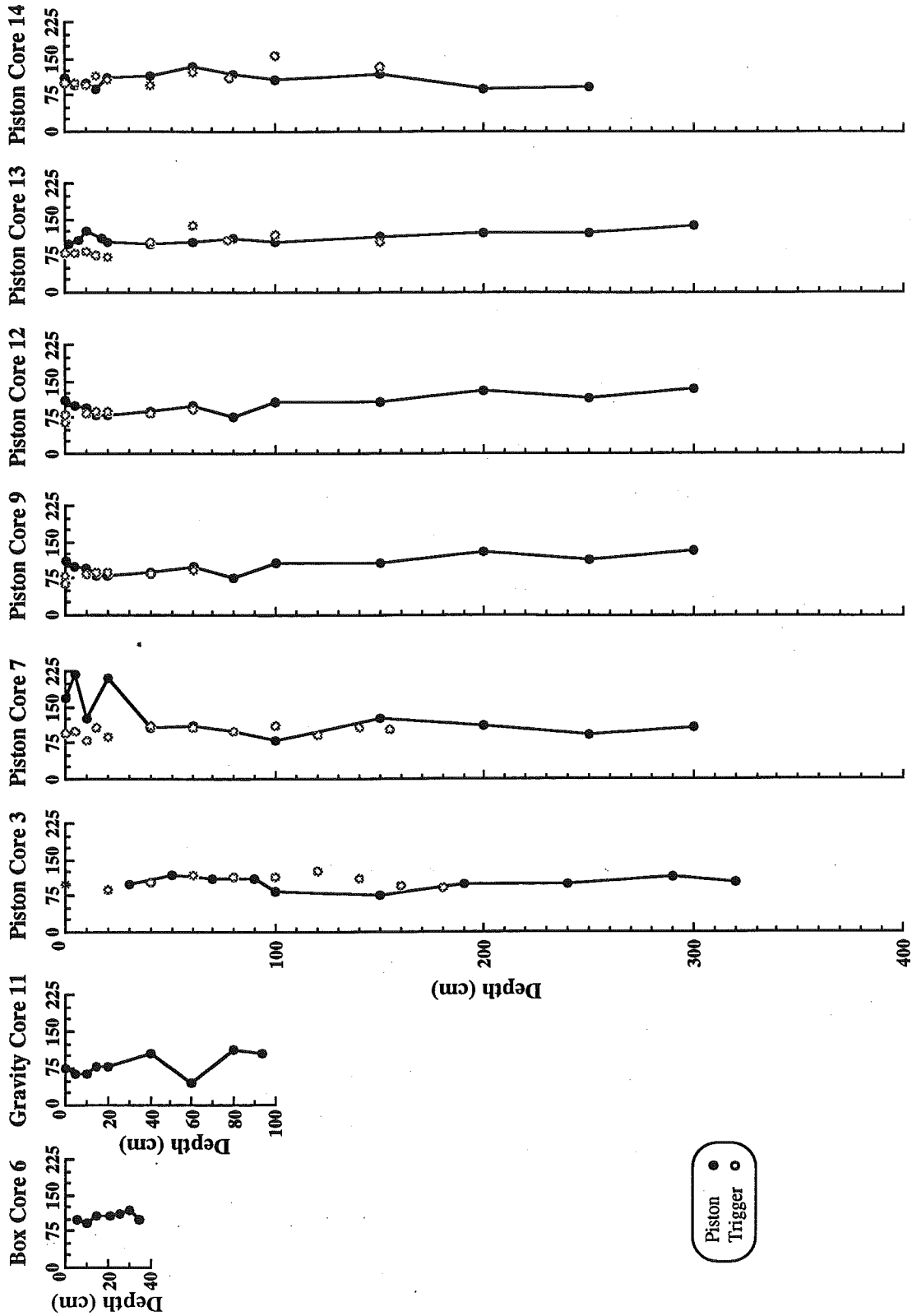
Hudson 91-020
Titanic Wreck Site & Flemish Cap

ZINC
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



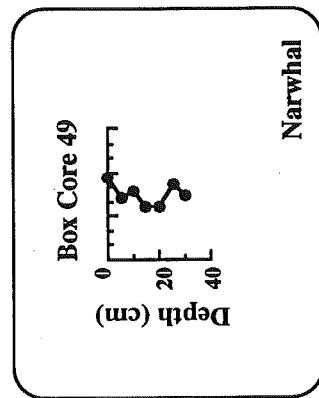
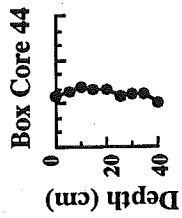
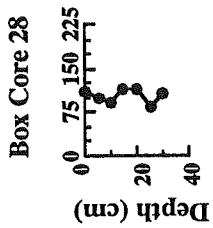
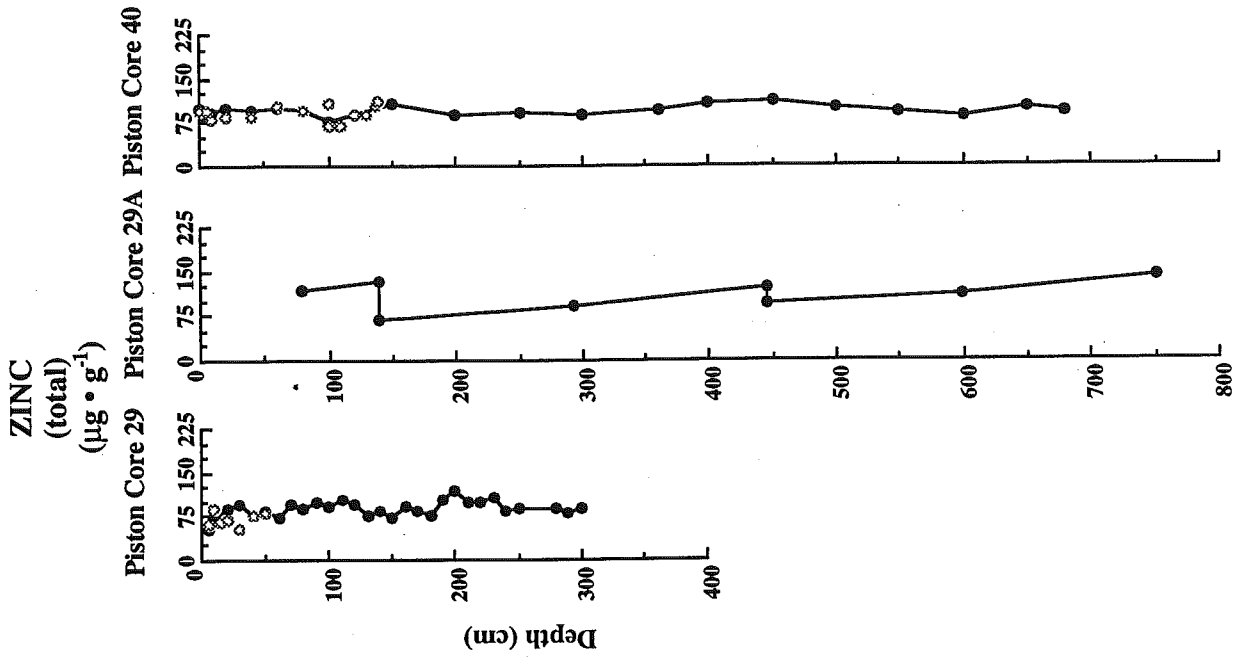
Hudson 91-020
Albatross Slope

ZINC
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope

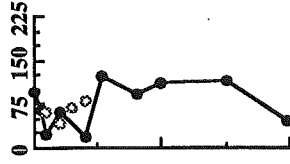
Piston ●
Trigger ○



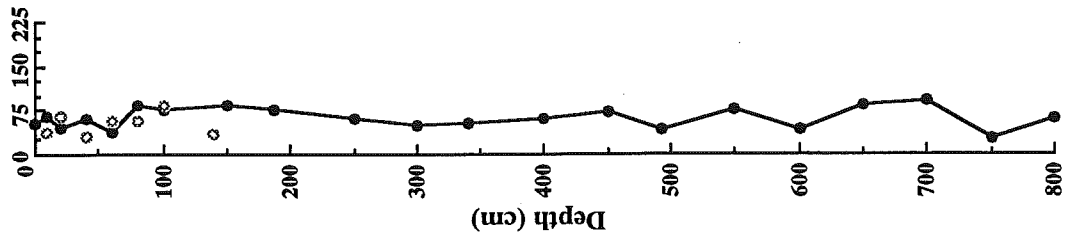
Hudson 91-020
Titanic Wreck Site & Flemish Cap

ZINC
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

Piston Core 79

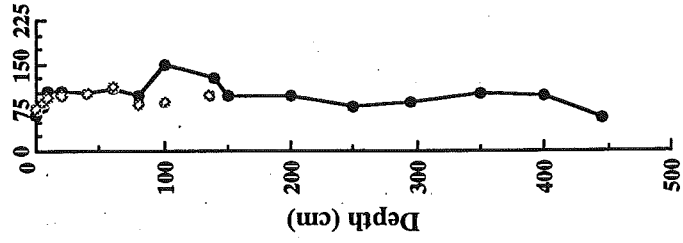


Piston Core 74

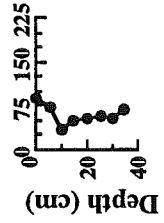


● Piston
○ Trigger

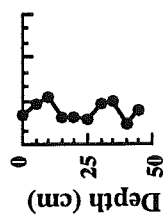
Piston Core 59



Box Core 69

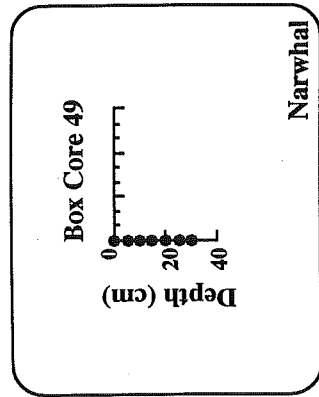
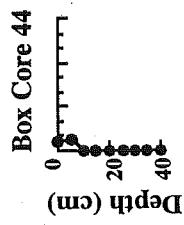
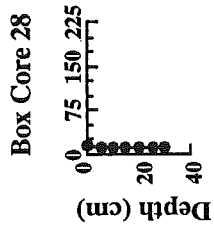
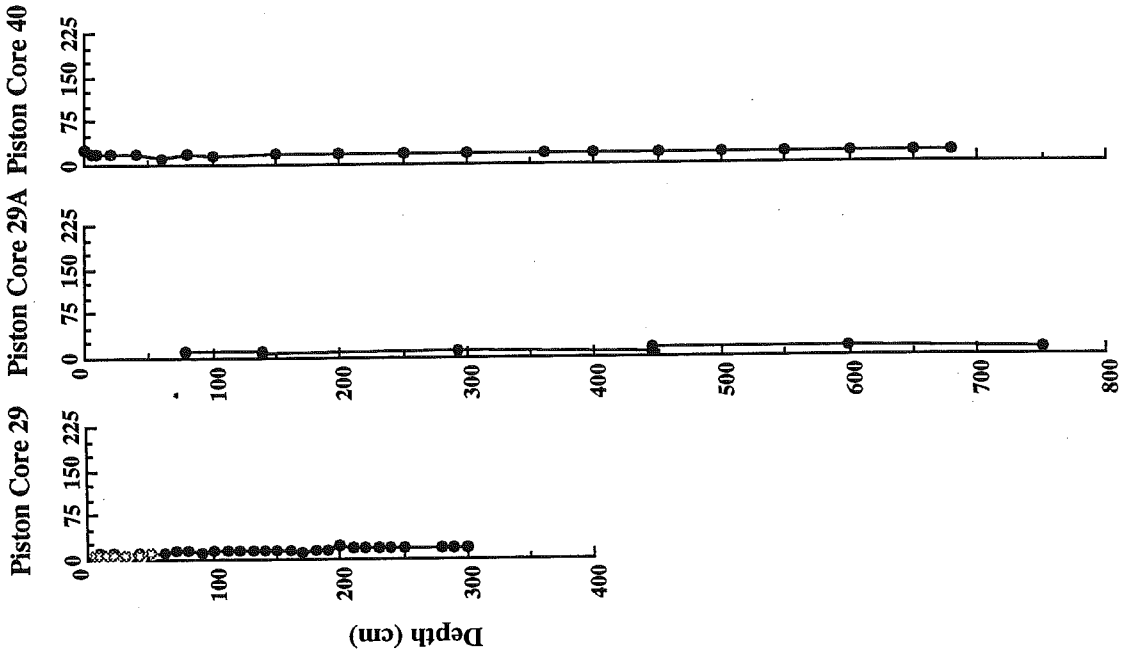


Box Core 76



Hudson 91-020
St. Pierre Slope

ZINC
(organically bound)
($\mu\text{g} \cdot \text{g}^{-1}$)



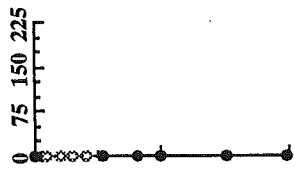
Piston ●
Trigger ○

ZINC
(organically bound)

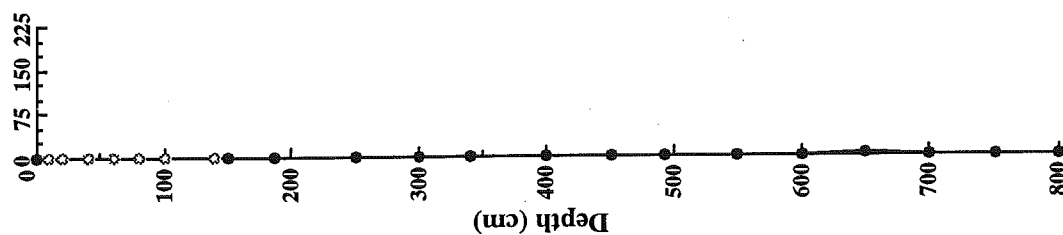
Hudson 91-020

Titanic Wreck Site & Flemish Cap

Piston Core 79



Piston Core 74

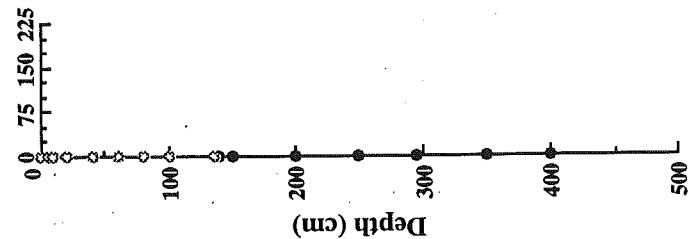


ZINC

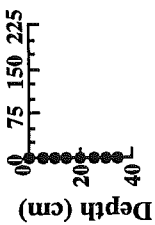
(organically bound)

(µg · g⁻¹)

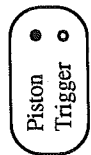
Piston Core 59



Box Core 69

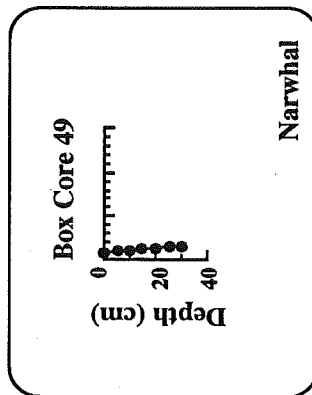
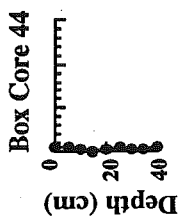
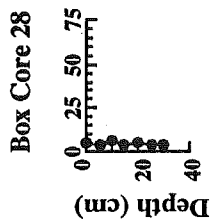
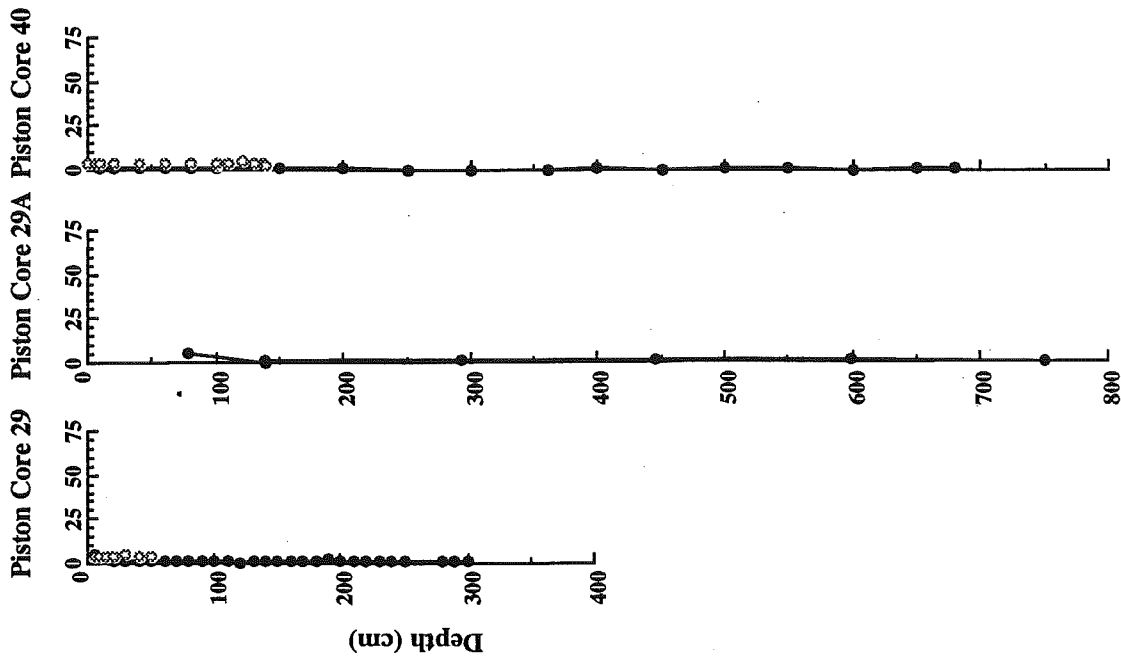


Box Core 76



Hudson 91-020
St. Pierre Slope

NICKEL
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Narwhal

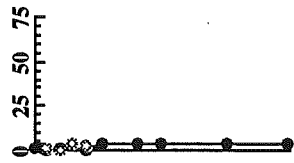
Piston ●
Trigger ○

NICKEL
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

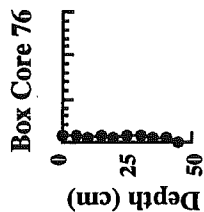
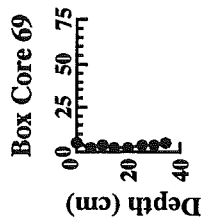
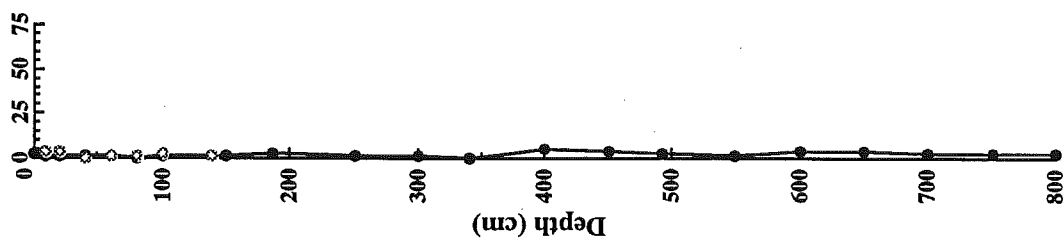
Hudson 91-020

Titanic Wreck Site & Flemish Cap

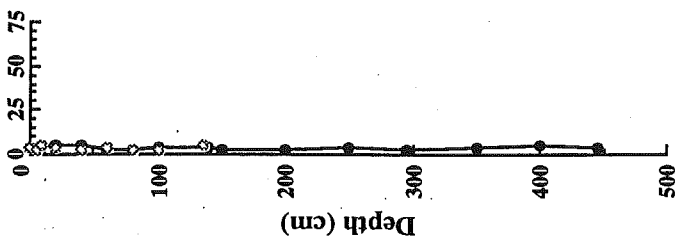
Piston Core 79



Piston Core 74



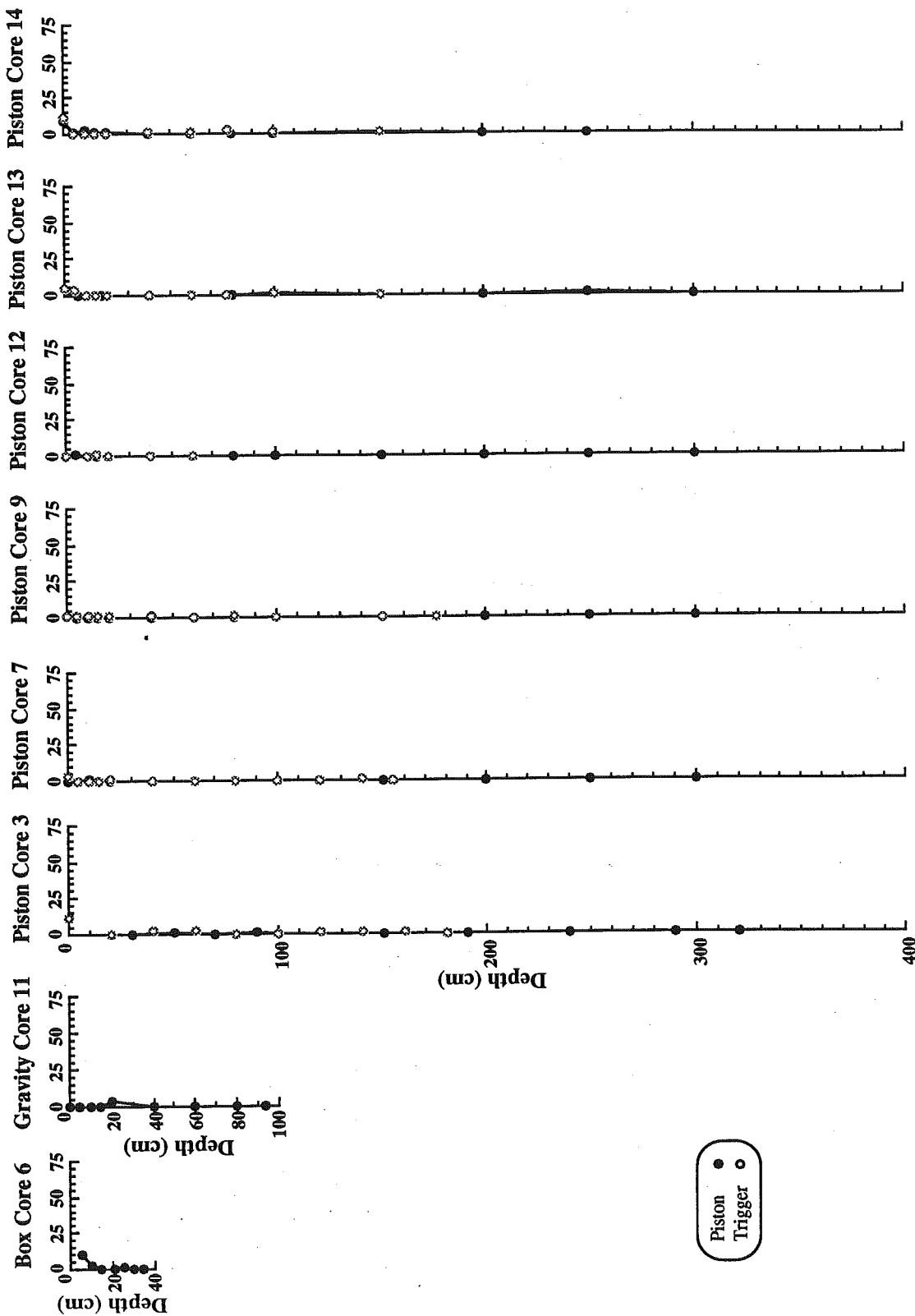
Piston Core 59



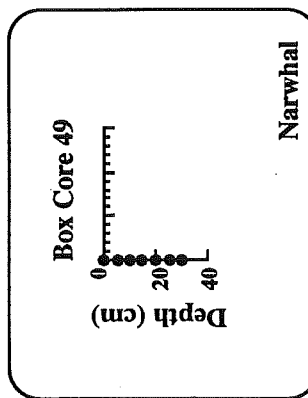
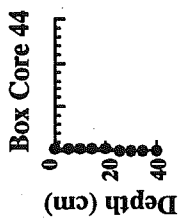
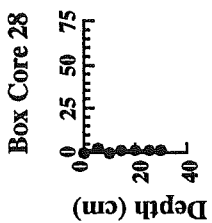
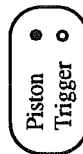
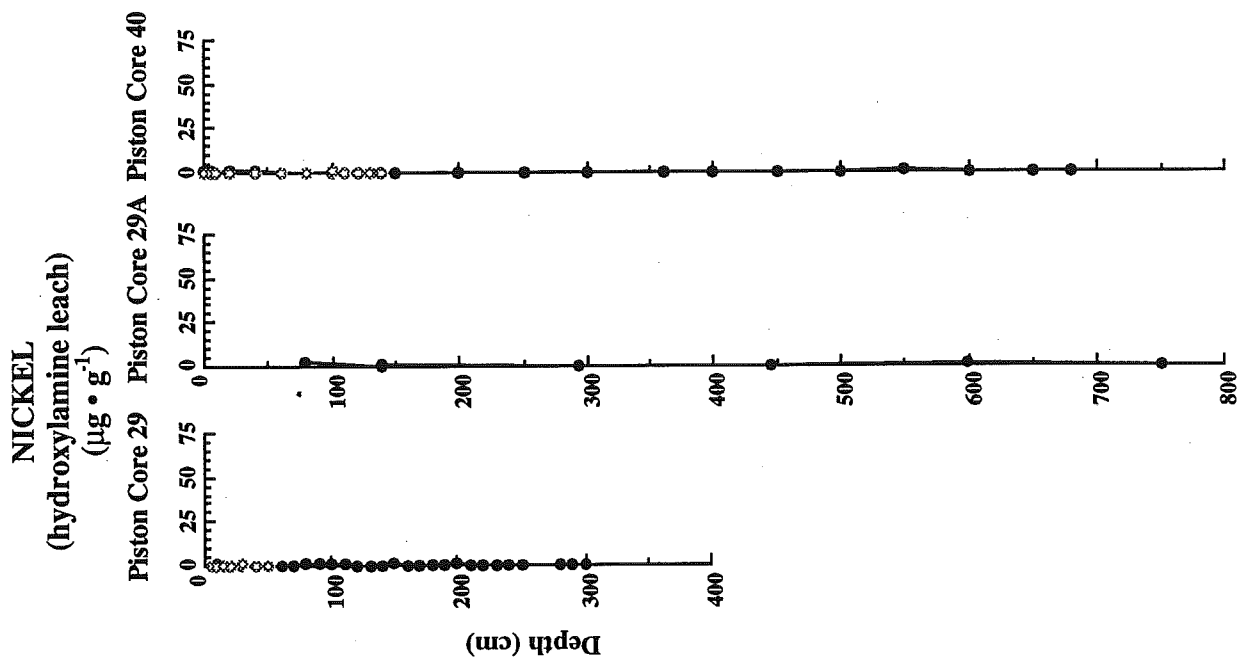
Piston
Trigger

Hudson 91-020
Albatross Slope

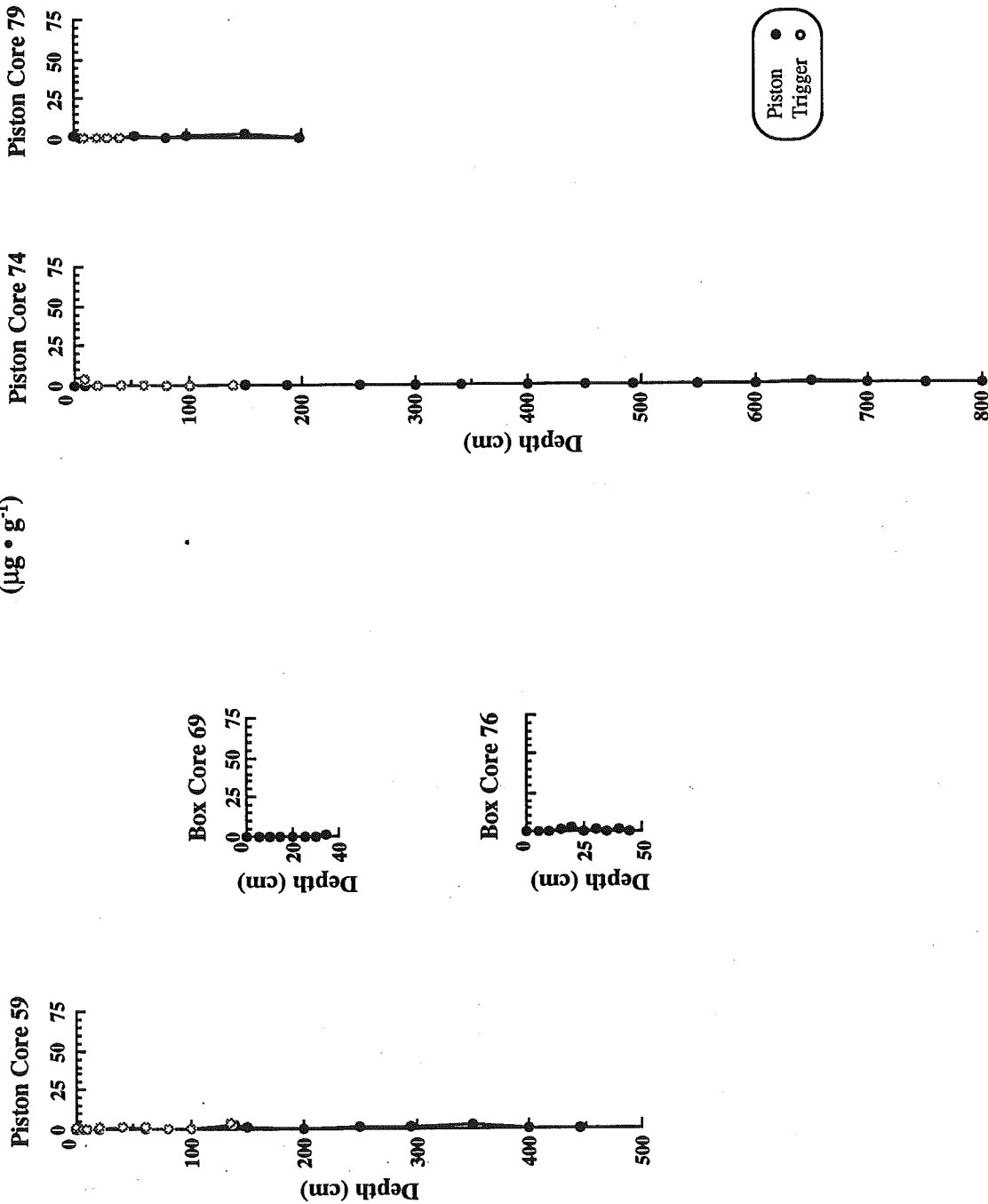
NICKEL
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope



NICKEL
(hydroxylamine leach)



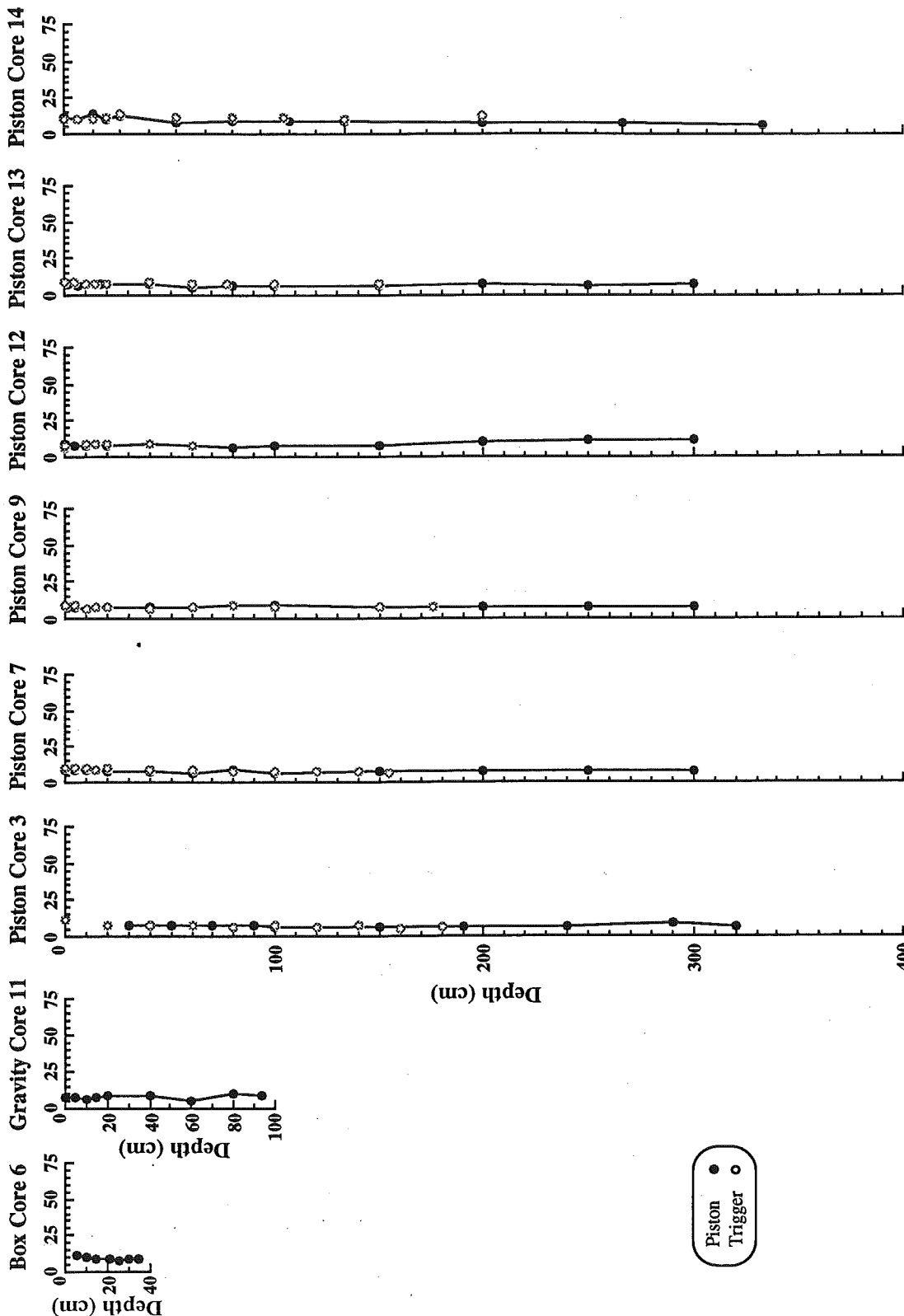
Hudson 91-020

Titanic Wreck Site & Flemish Cap

Piston ●
Trigger ○

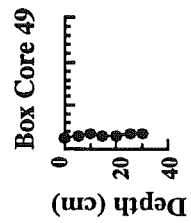
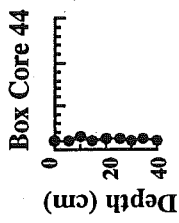
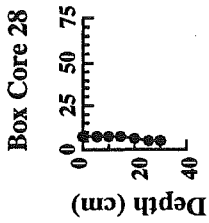
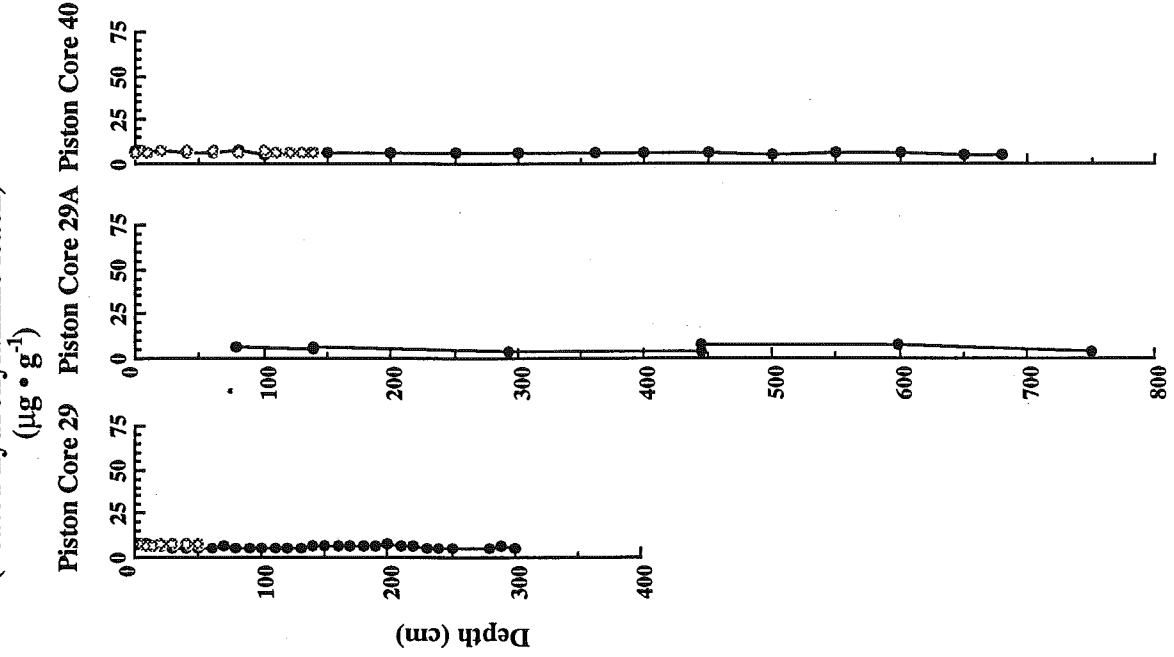
Hudson 91-020
Albatross Slope

NICKEL
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope

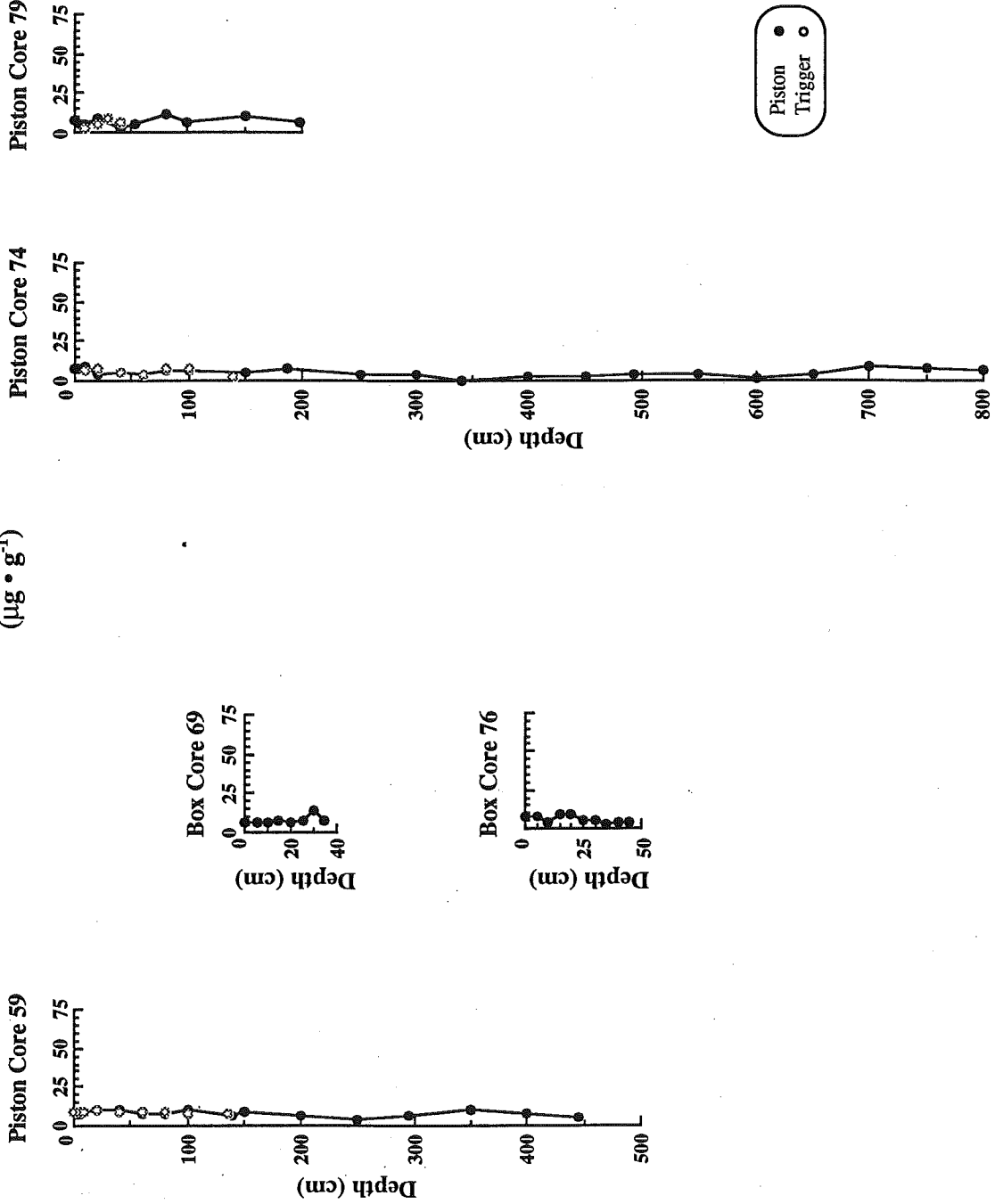
NICKEL
(heated hydroxylamine leach)



Piston ●
Trigger ○

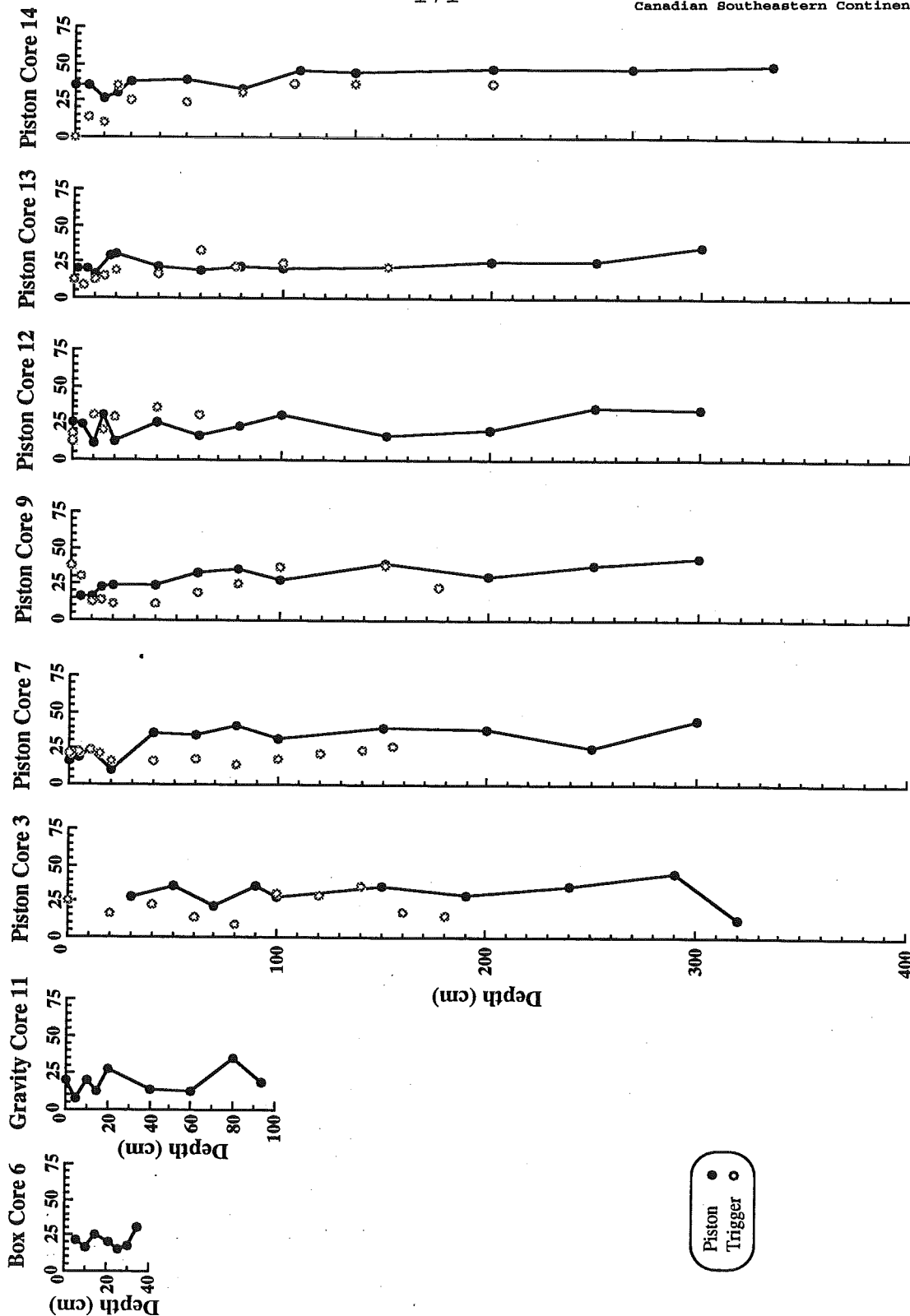
Narwhal

NICKEL
(heated hydroxylamine leach)
Hudson 91-020
Titanic Wreck Site & Flemish Cap

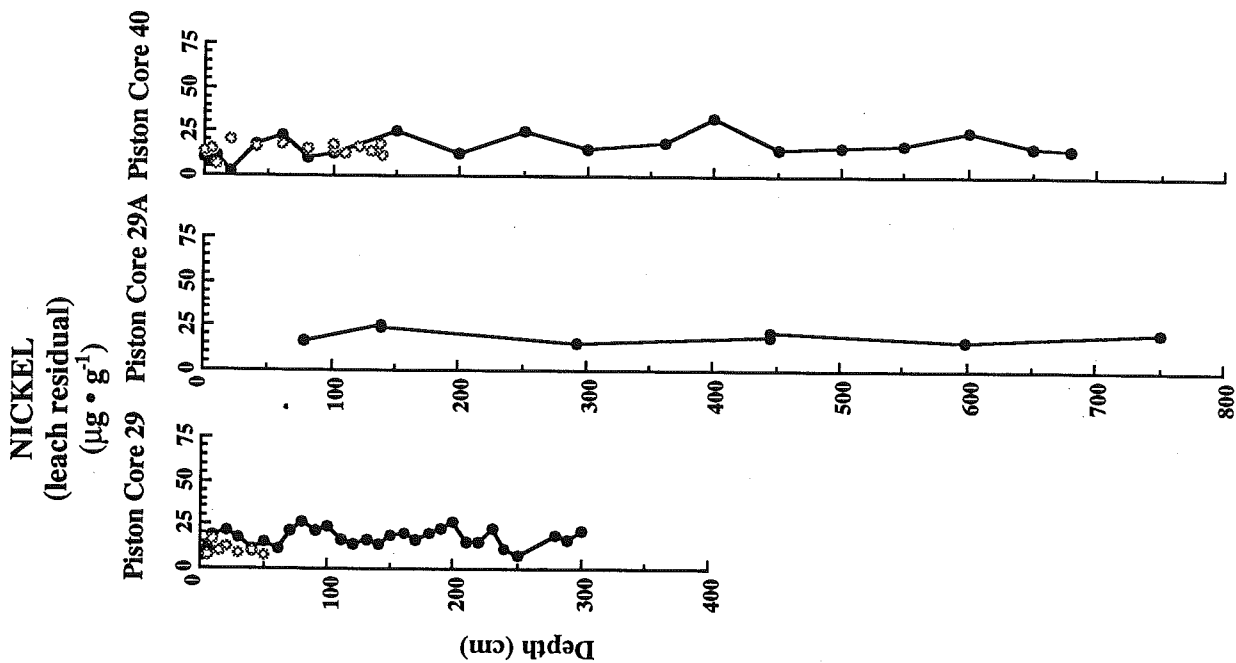


Hudson 91-020
Albatross Slope

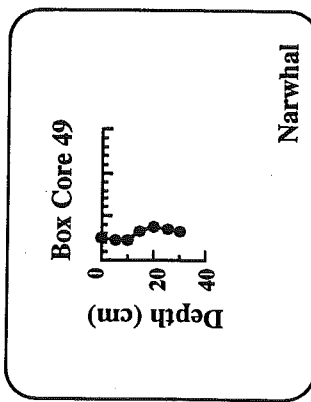
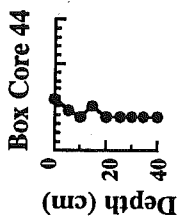
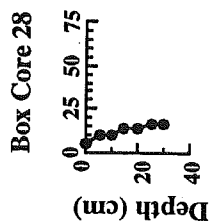
NICKEL
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope



Piston ●
Trigger ○

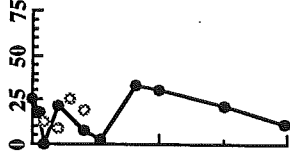


NICKEL
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)

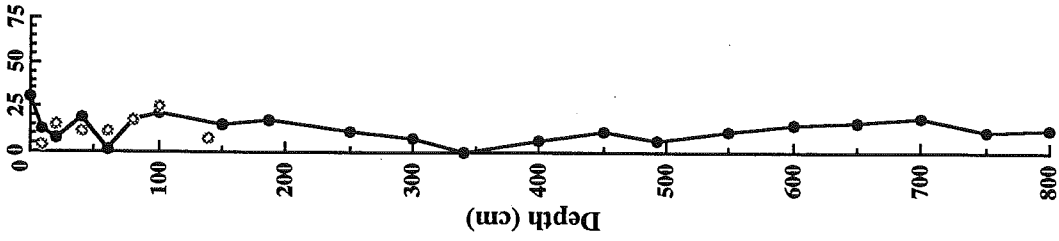
Hudson 91-020

Titanic Wreck Site & Flemish Cap

Piston Core 79

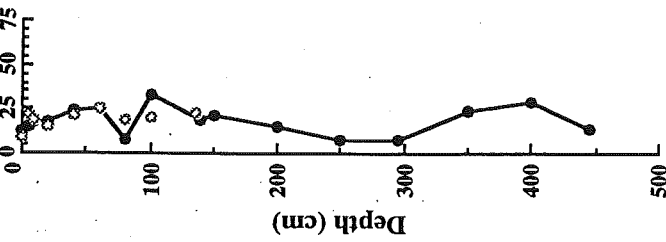


Piston Core 74

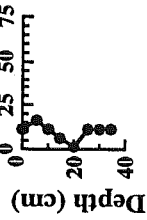


Piston
Trigger

Piston Core 59



Box Core 69

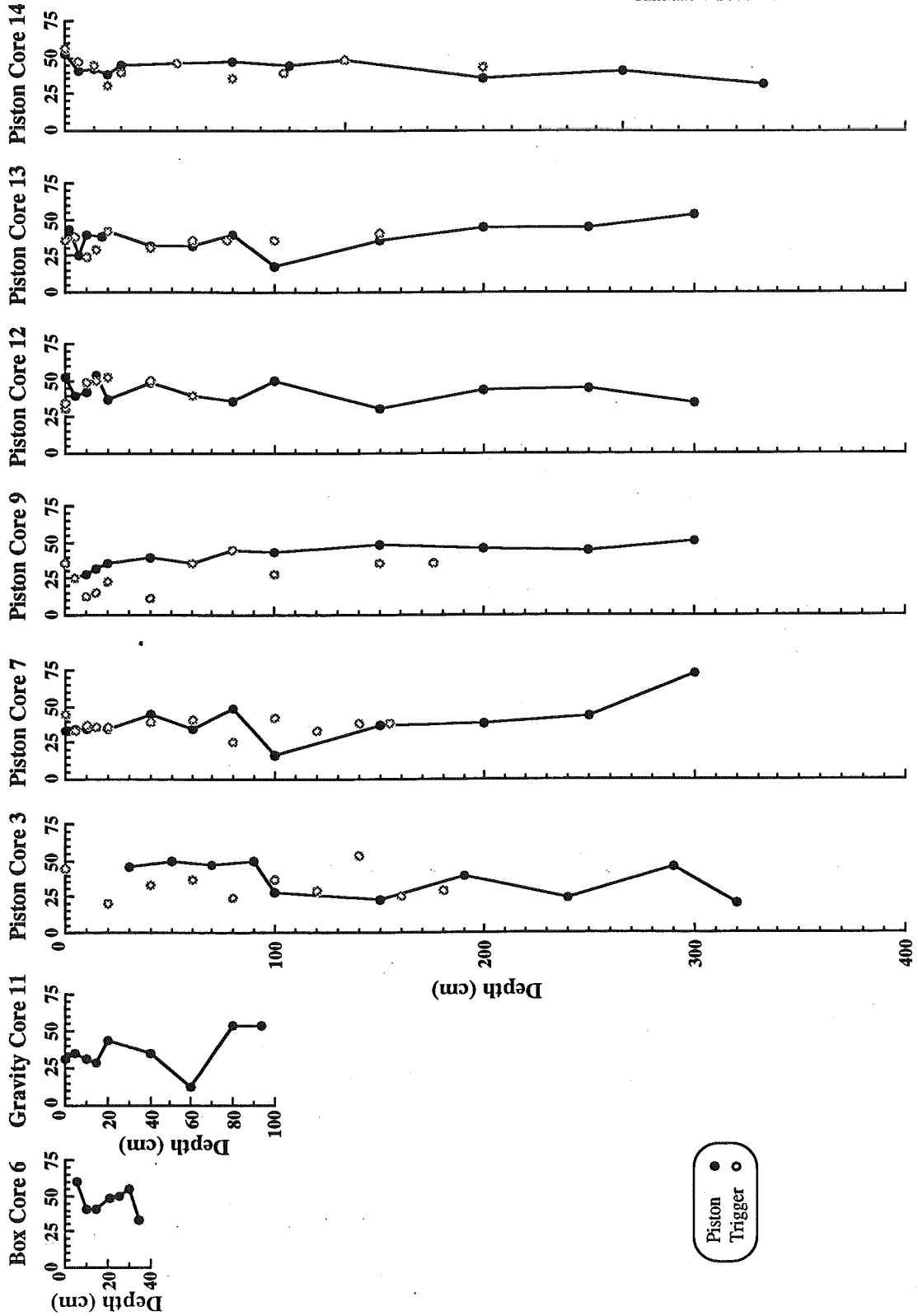


Box Core 76



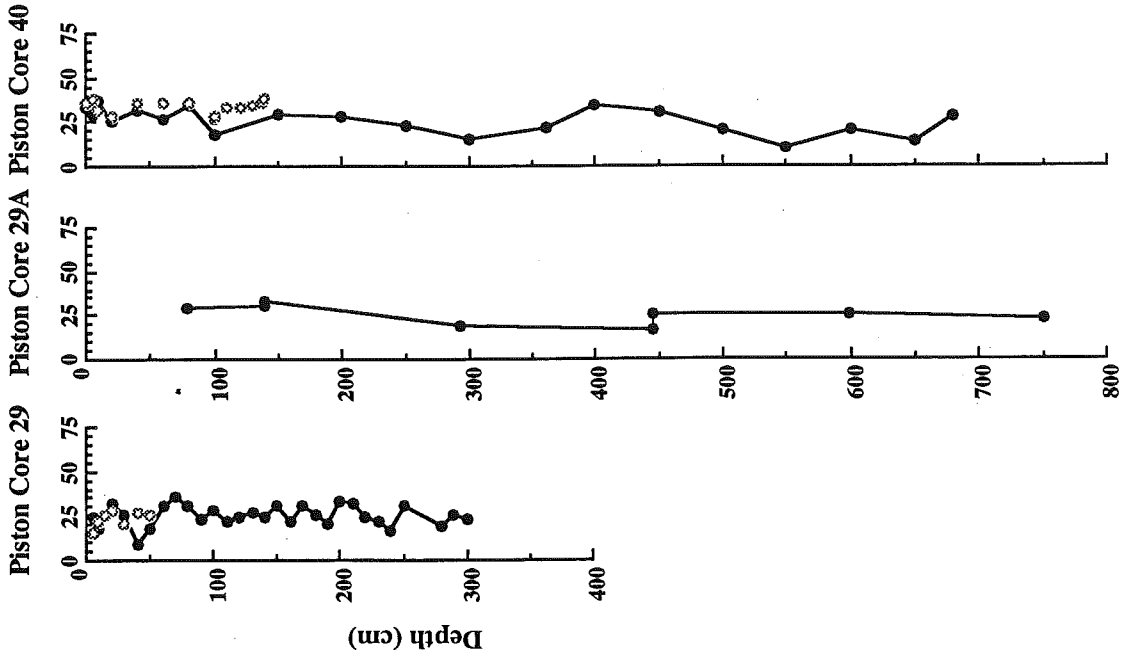
Hudson 91-020
Albatross Slope

NICKEL
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

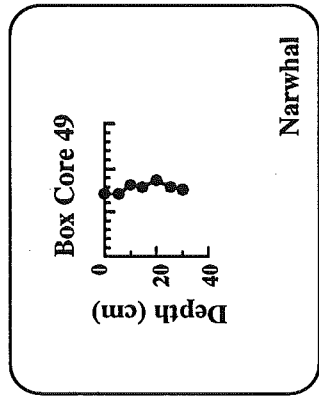
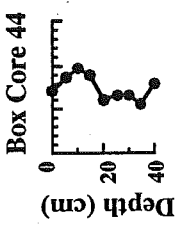
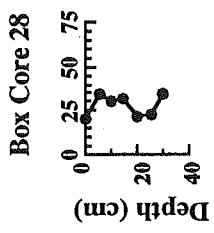


Hudson 91-020
St. Pierre Slope

NICKEL
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

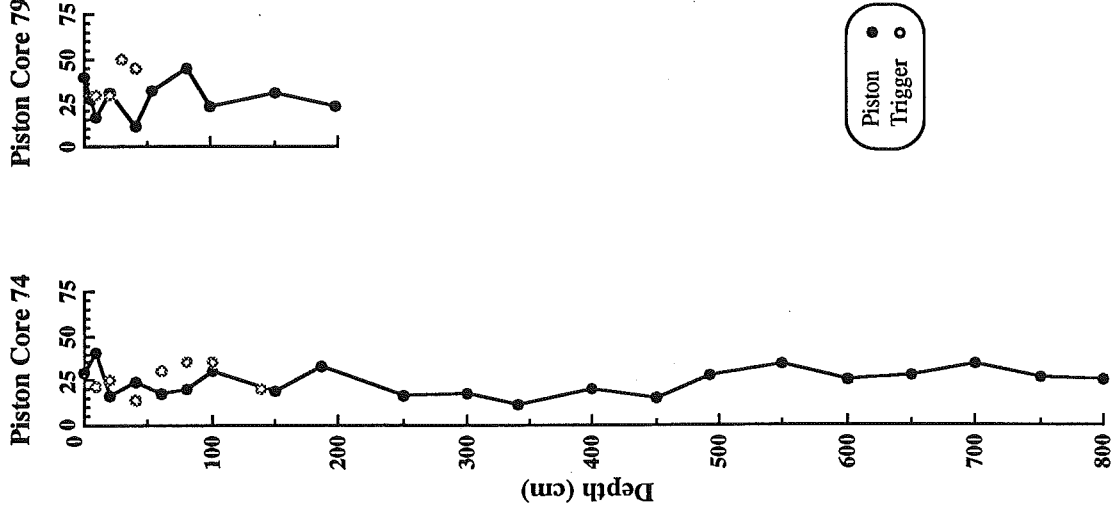


Piston
Trigger

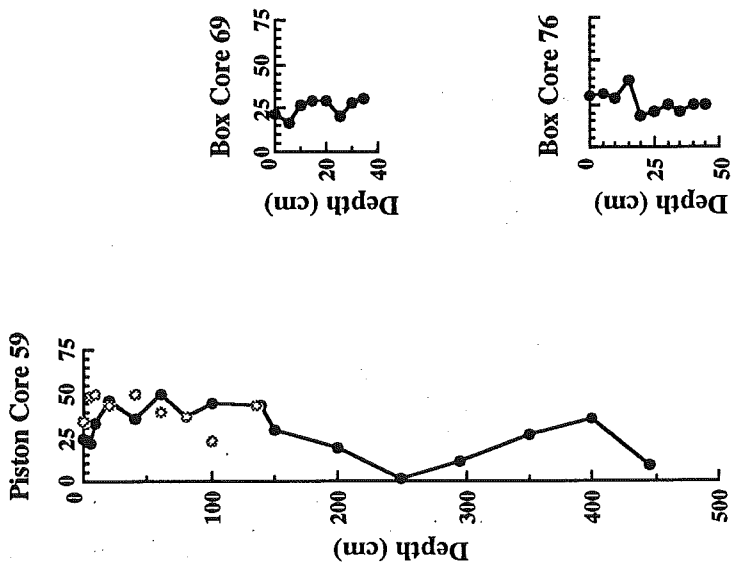


Hudson 91-020
Titanic Wreck Site & Flemish Cap

NICKEL
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

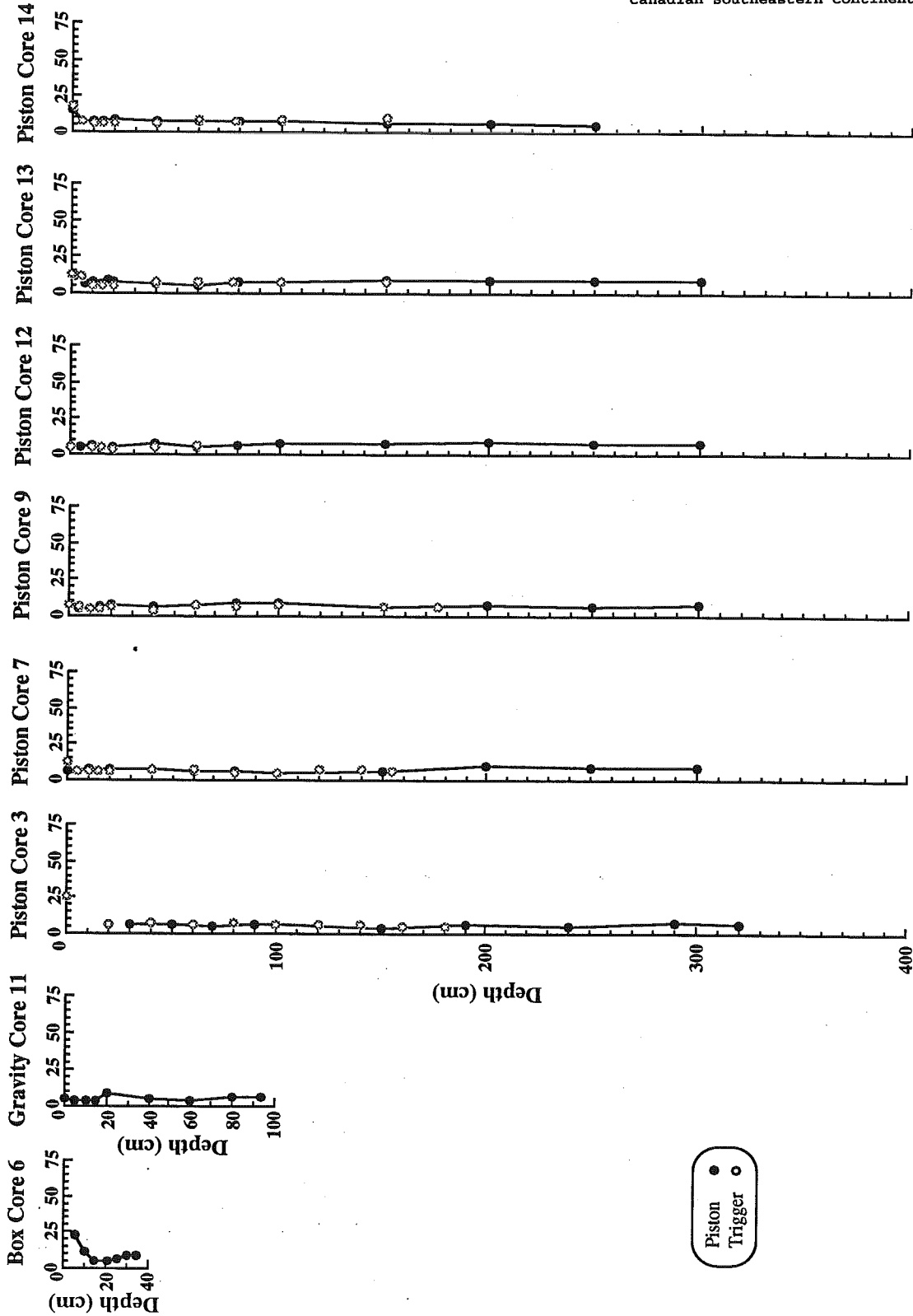


● Piston
○ Trigger

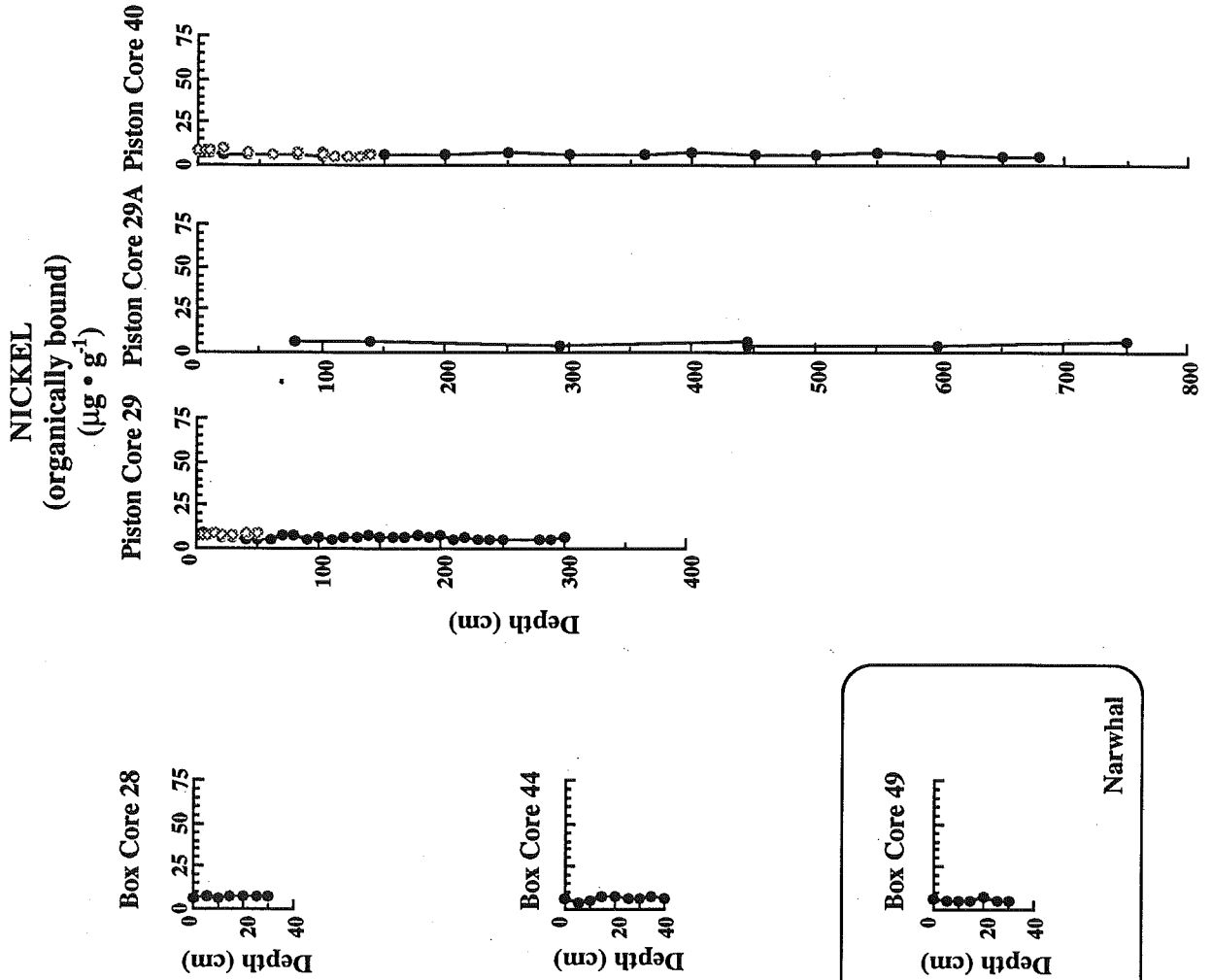


Hudson 91-020
Albatross Slope

NICKEL
(organically bound)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope

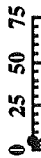


NICKEL
(organically bound)
($\mu\text{g} \cdot \text{g}^{-1}$)

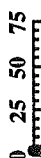
Hudson 91-020

Titanic Wreck Site & Flemish Cap

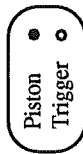
Piston Core 79



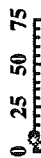
Piston Core 74



Depth (cm)

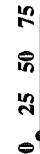


Piston Core 59



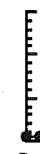
Depth (cm)

Box Core 69



Depth (cm)

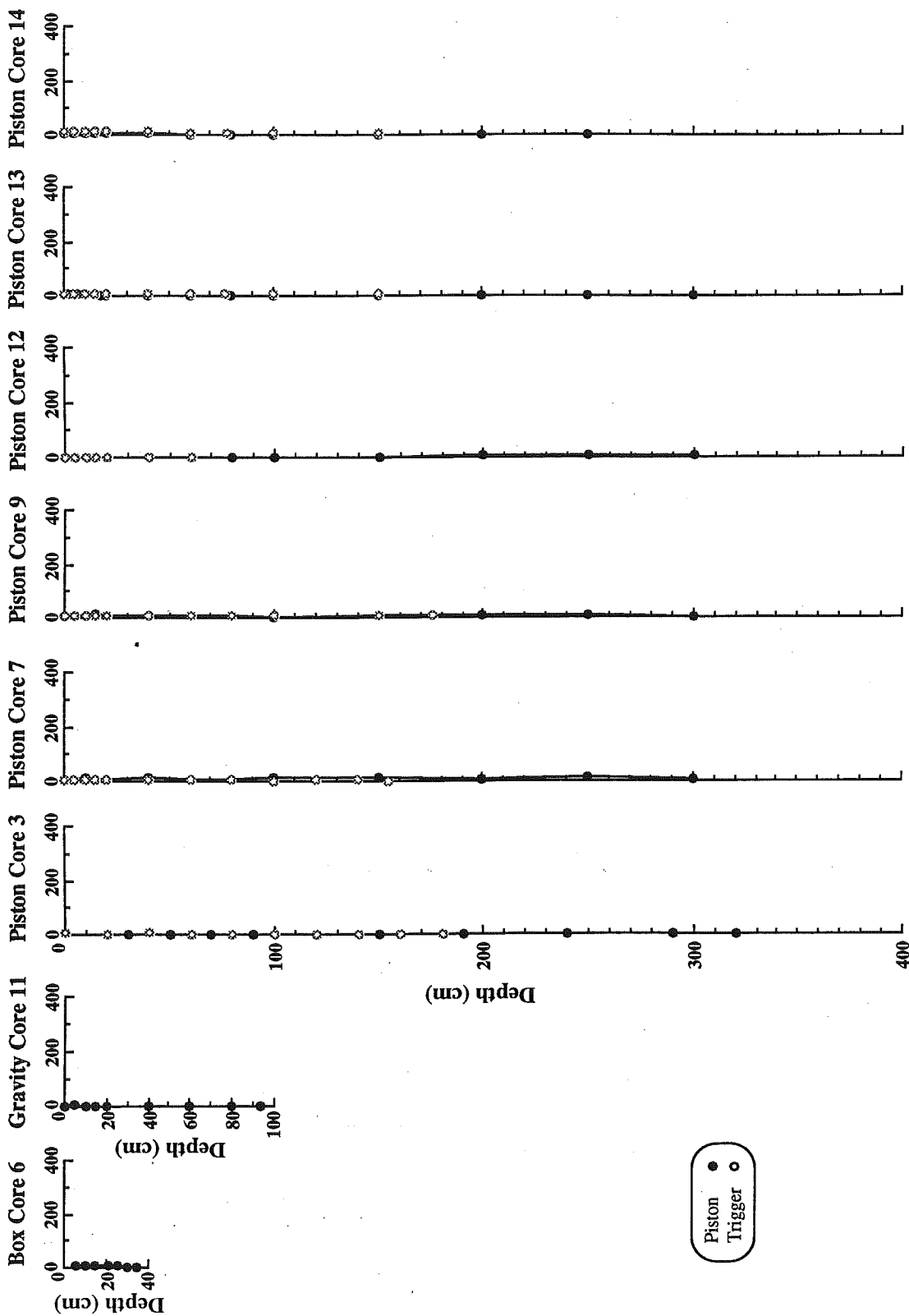
Box Core 76



Depth (cm)

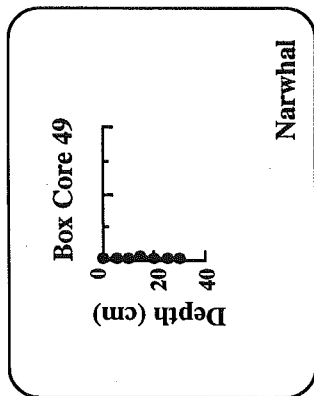
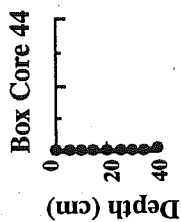
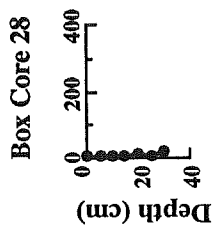
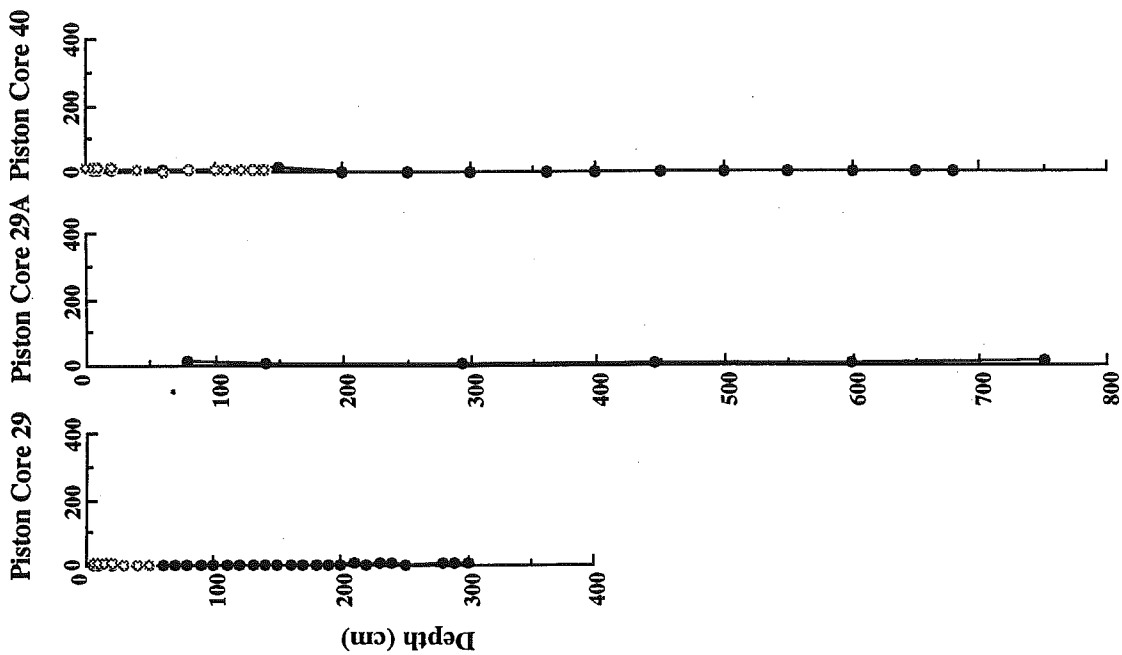
Hudson 91-020
Albatross Slope

CHROMIUM
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope

CHROMIUM
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Narwhal

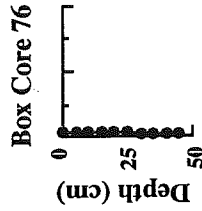
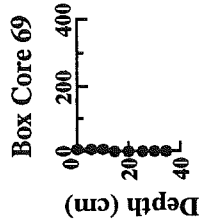
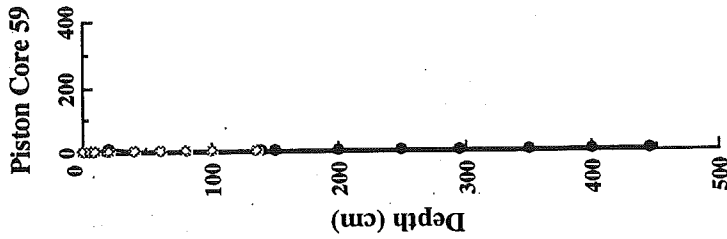
Piston ●
Trigger ○

Hudson 91-020
Titanic Wreck Site & Flemish Cap

CHROMIUM
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

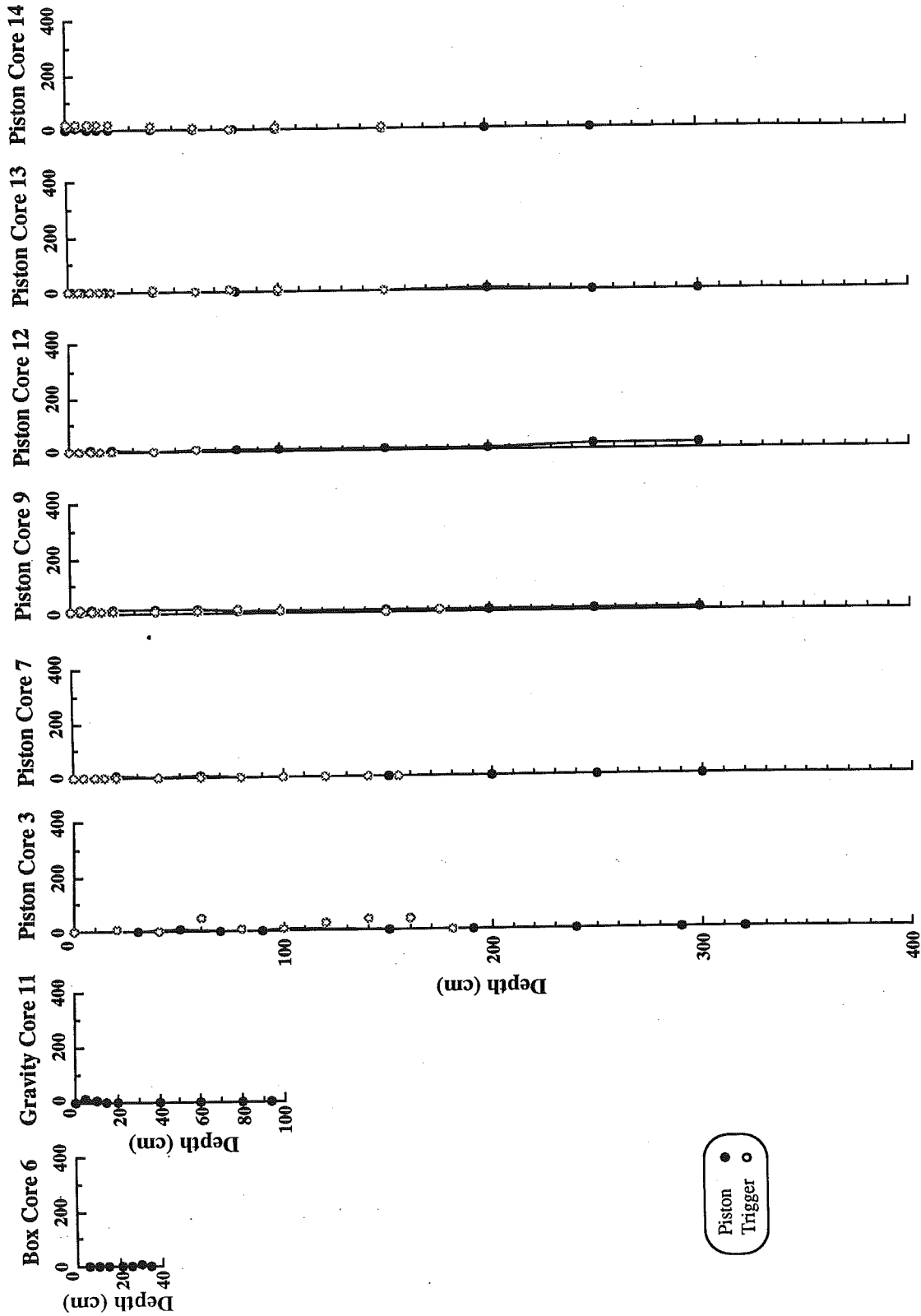


Piston ●
Trigger ○

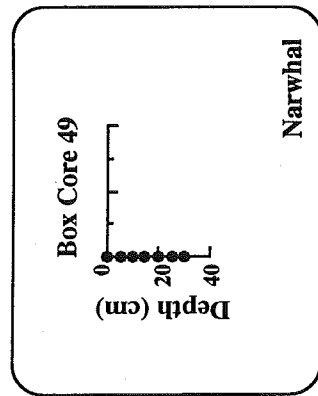
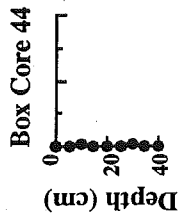
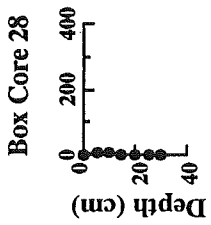
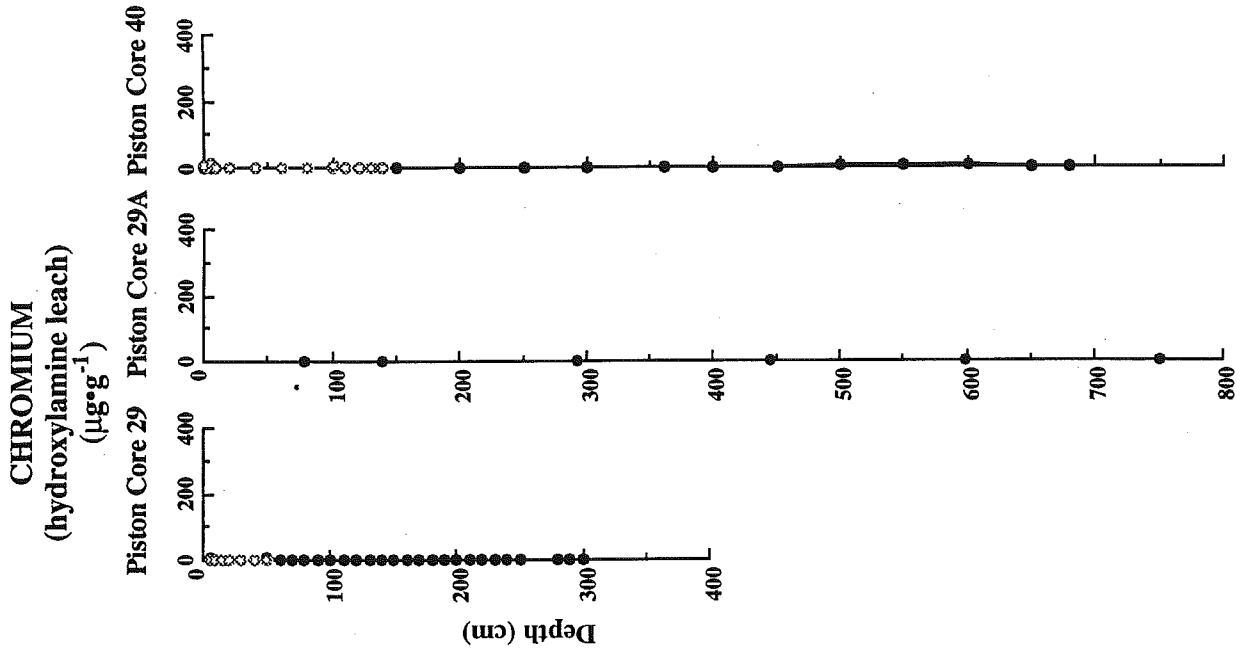


Hudson 91-020
Albatross Slope

CHROMIUM
(hydroxylamine leach)
($\mu\text{g}\cdot\text{g}^{-1}$)

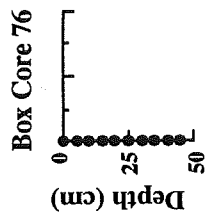
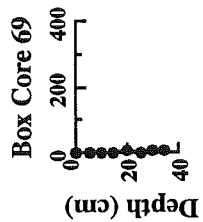
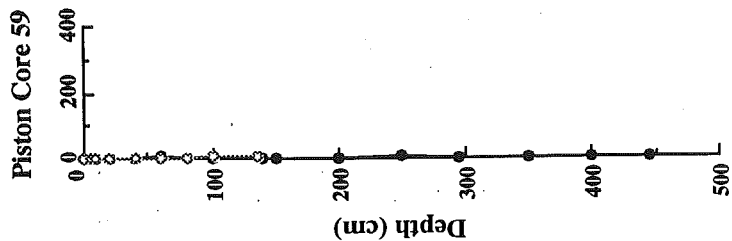
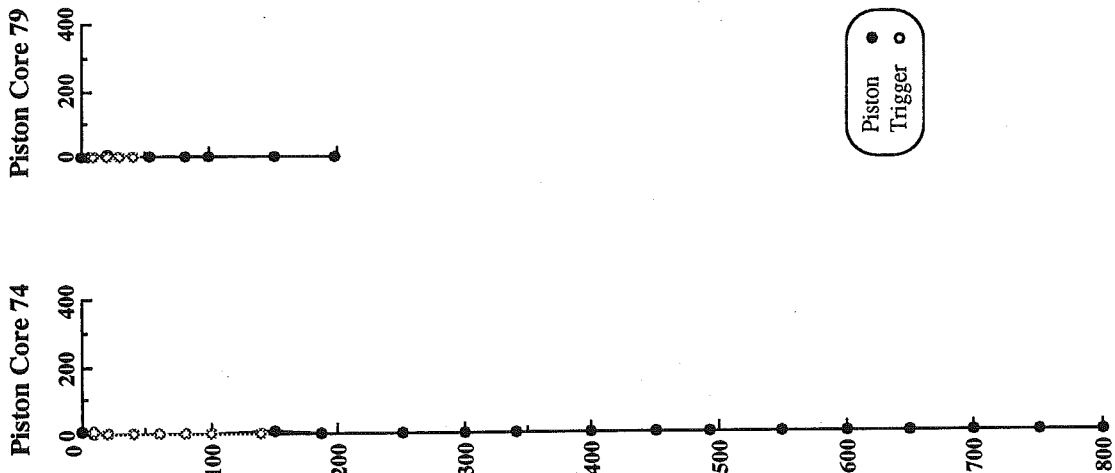


Hudson 91-020
St. Pierre Slope



Hudson 91-020
Titanic Wreck Site & Flemish Cap

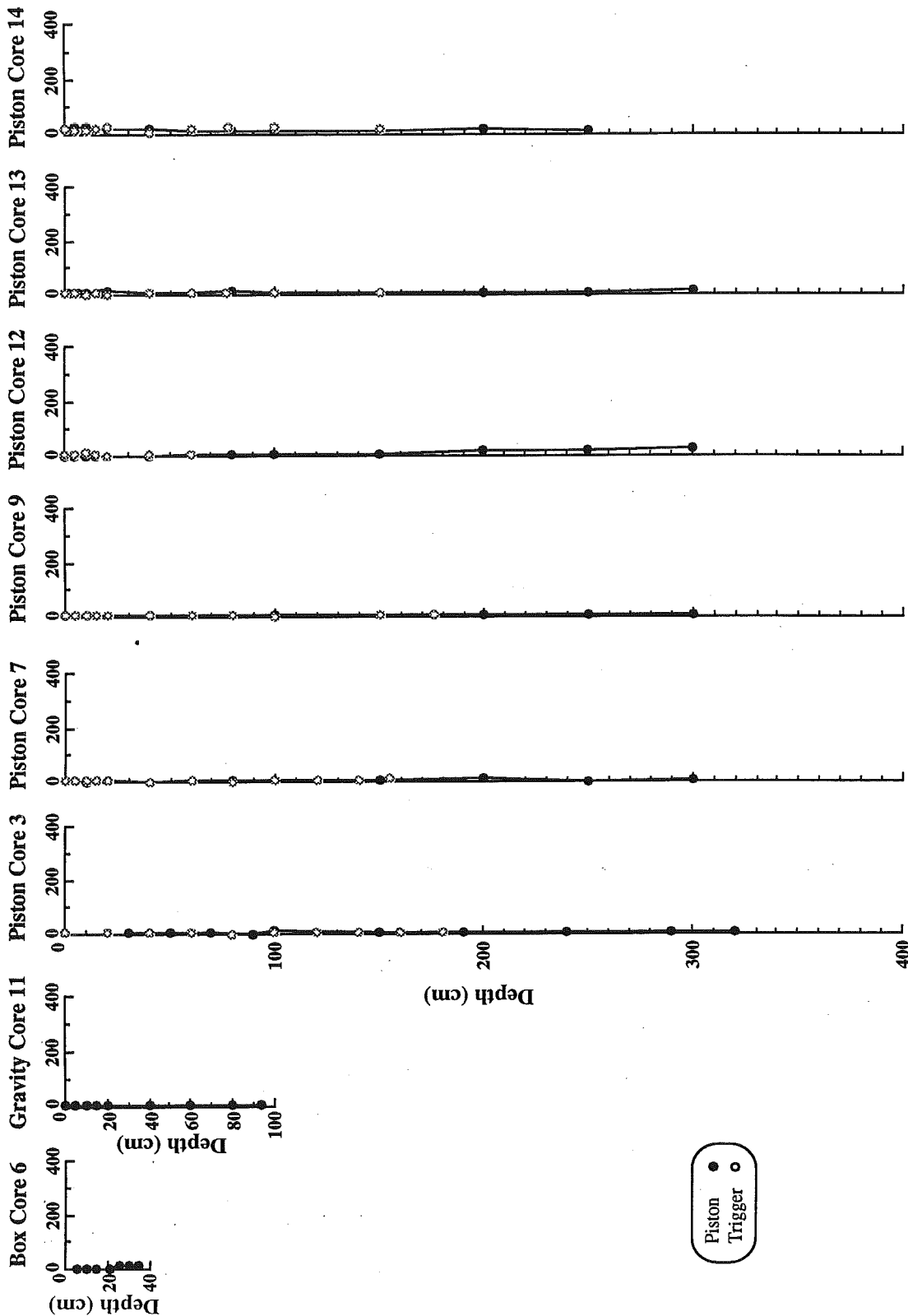
CHROMIUM
(hydroxylamine leach)
($\mu\text{g g}^{-1}$)



Piston ●
Trigger ○

Hudson 91-020
Albatross Slope

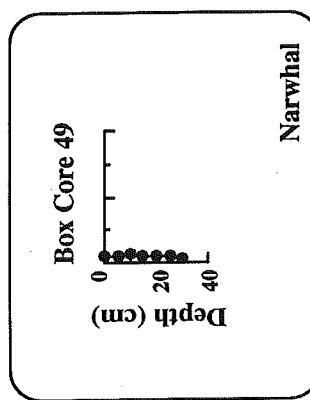
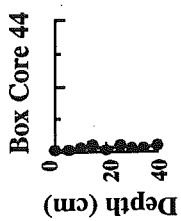
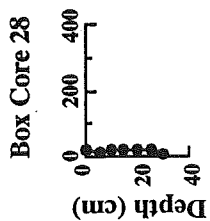
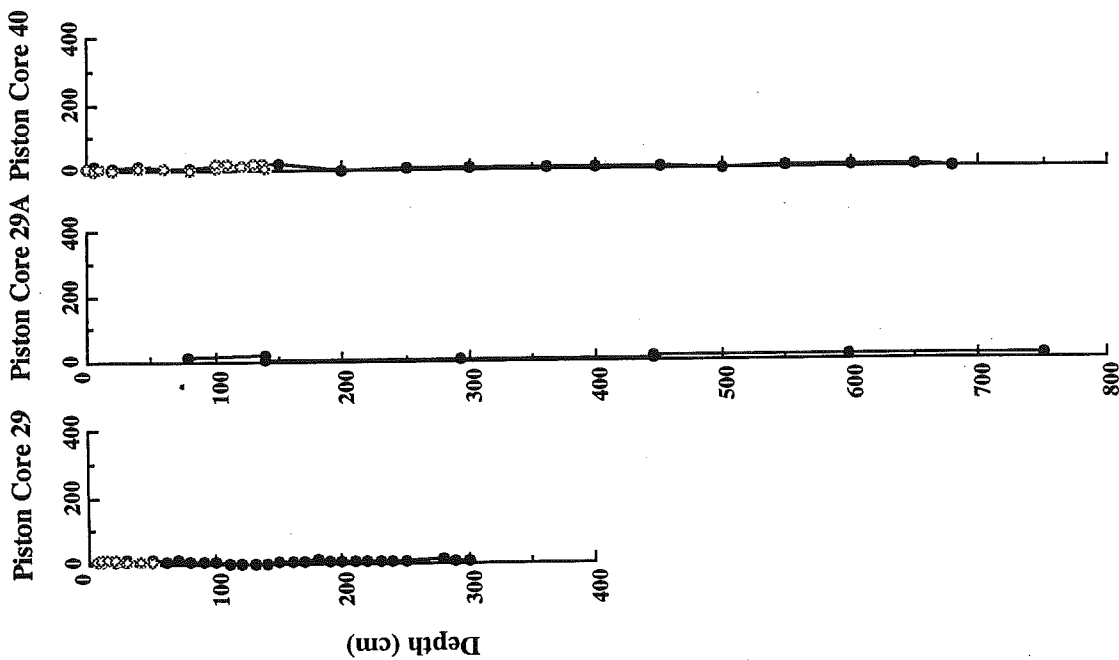
CHROMIUM
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston ●
Trigger ○

Hudson 91-020
St. Pierre Slope

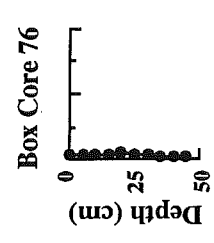
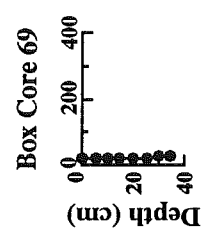
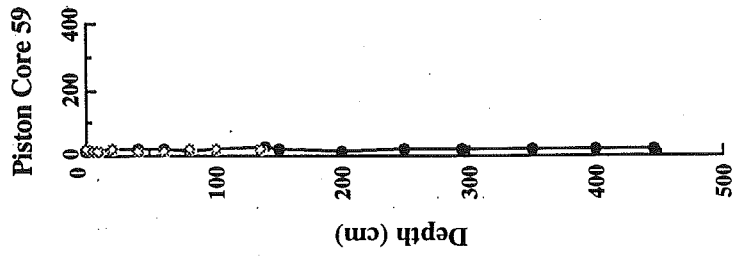
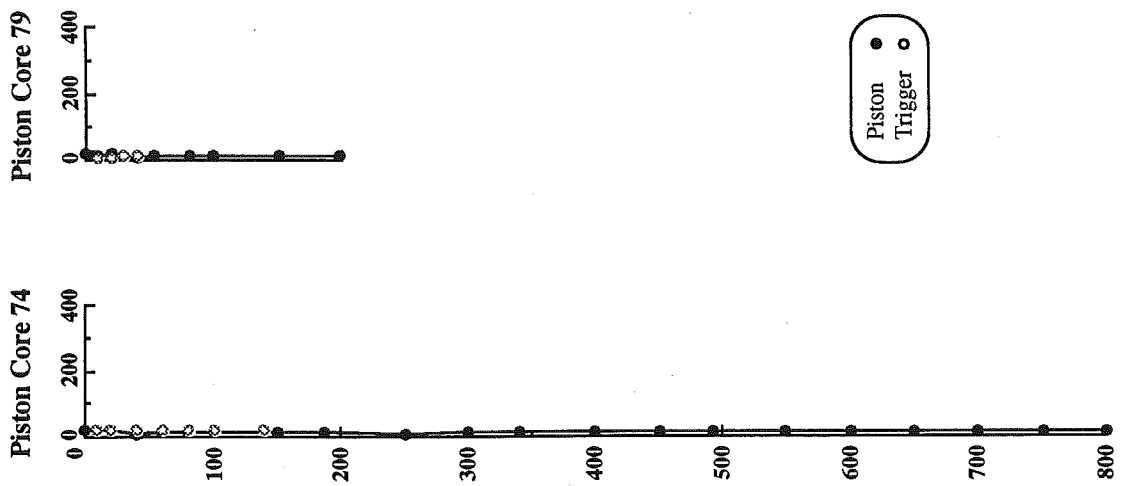
CHROMIUM
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston
Trigger

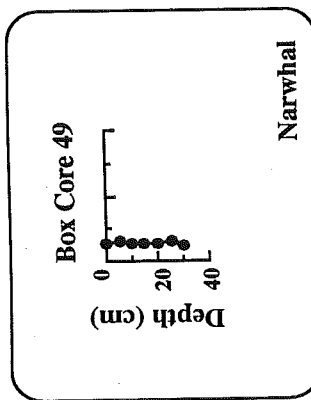
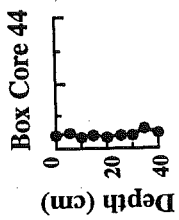
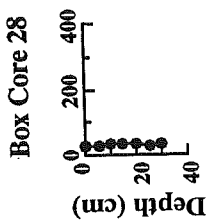
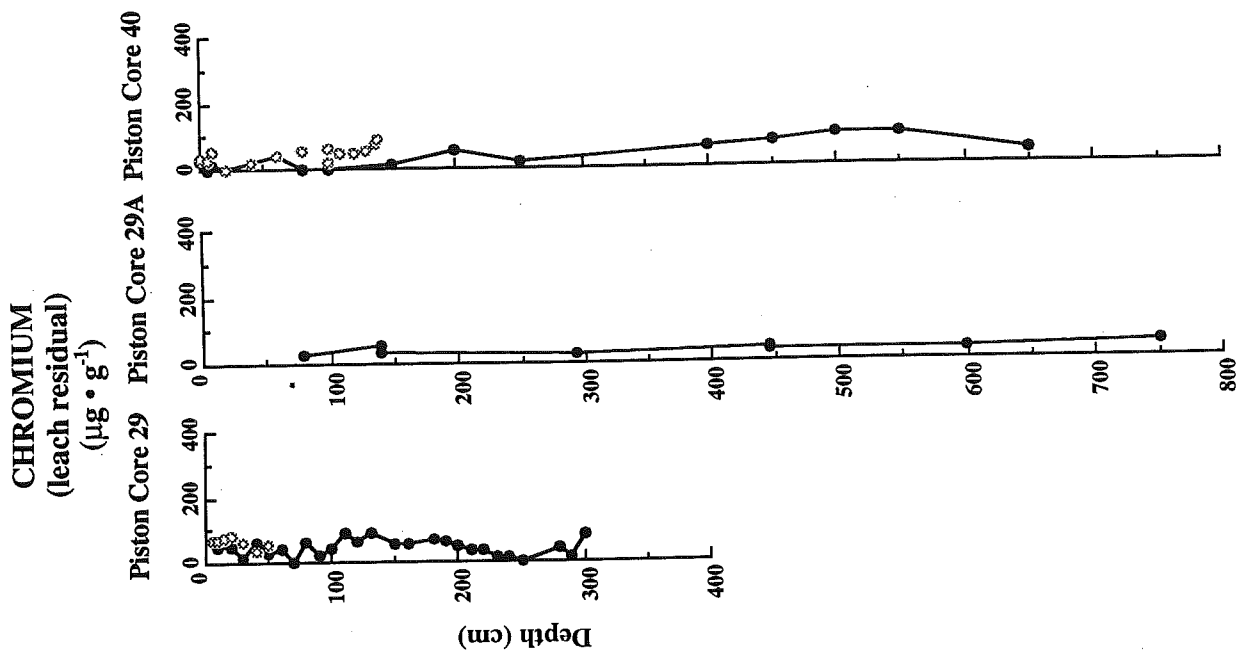
Hudson 91-020
Titanic Wreck Site & Flemish Cap

CHROMIUM
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



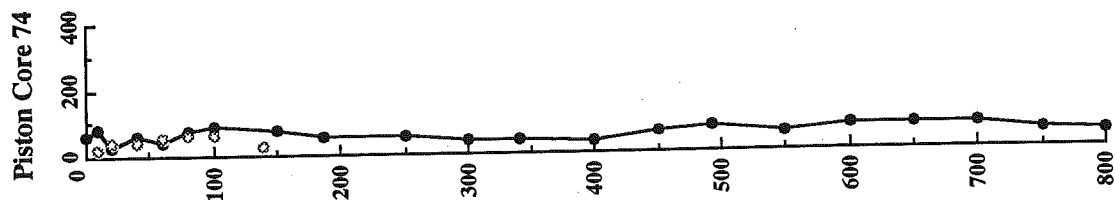
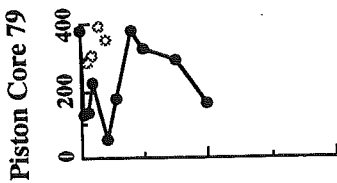
Hudson 91-020
St. Pierre Slope

● Piston
○ Trigger

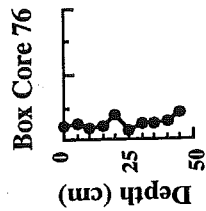
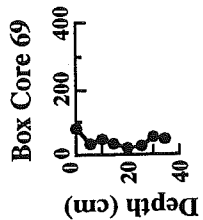
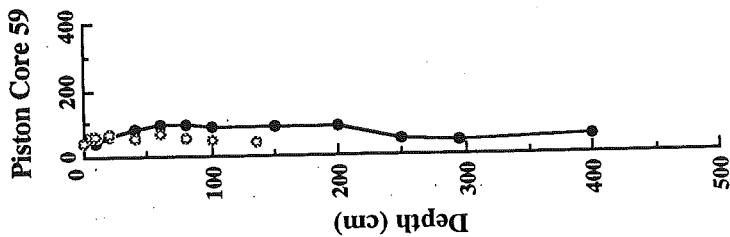


Hudson 91-020
Titanic Wreck Site & Flemish Cap

CHROMIUM
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)

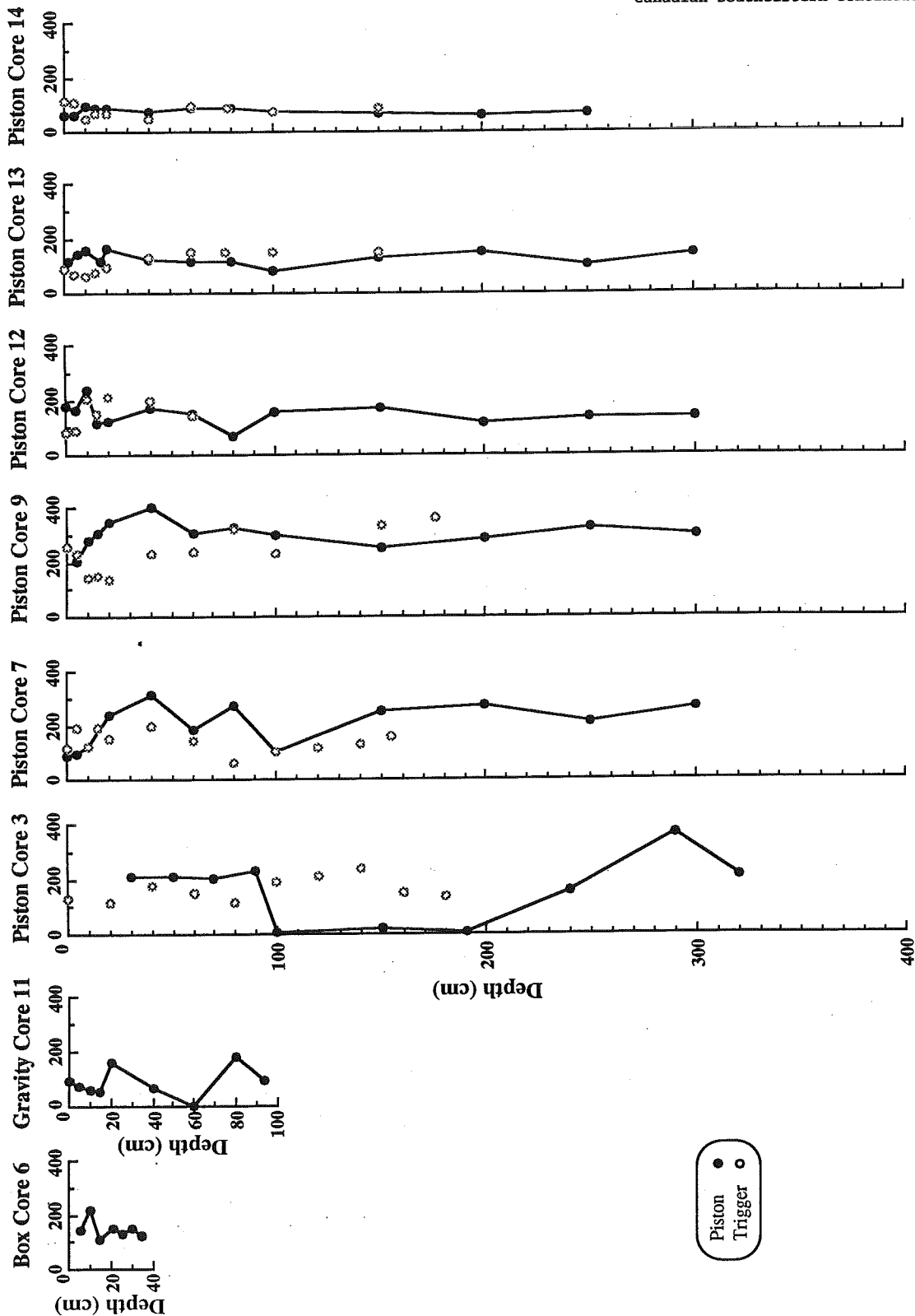


Piston ●
Trigger ○



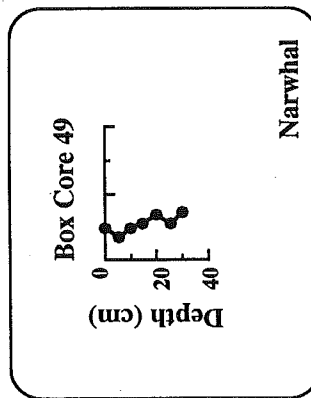
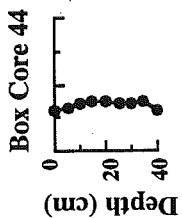
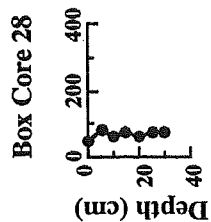
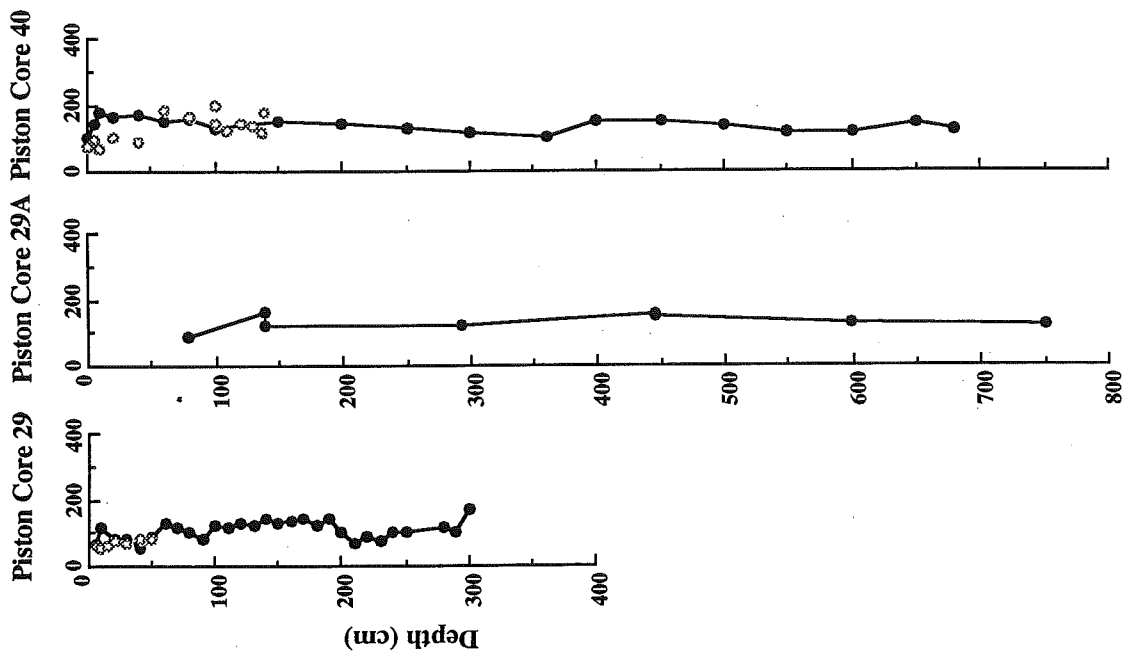
Hudson 91-020
Albatross Slope

CHROMIUM
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



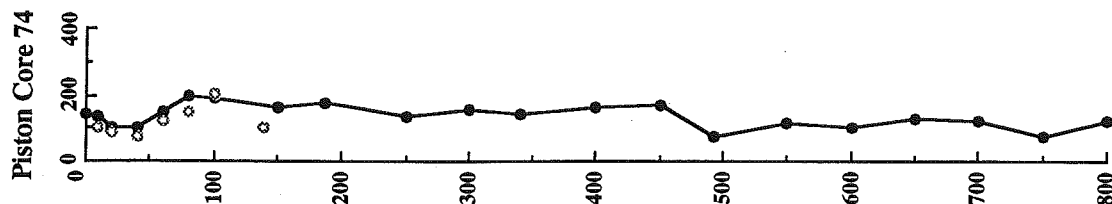
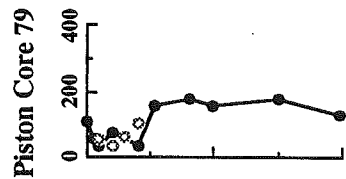
Hudson 91-020
St. Pierre Slope

CHROMIUM
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

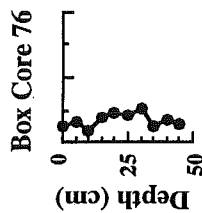
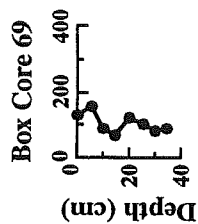
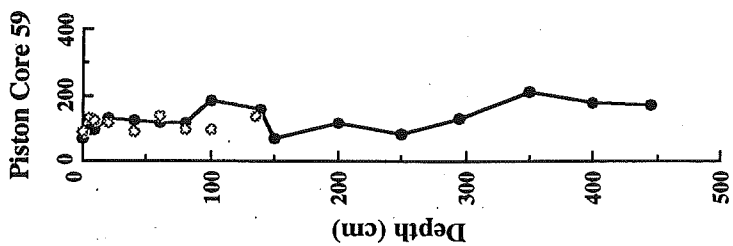


Hudson 91-020
Titanic Wreck Site & Flemish Cap

CHROMIUM
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

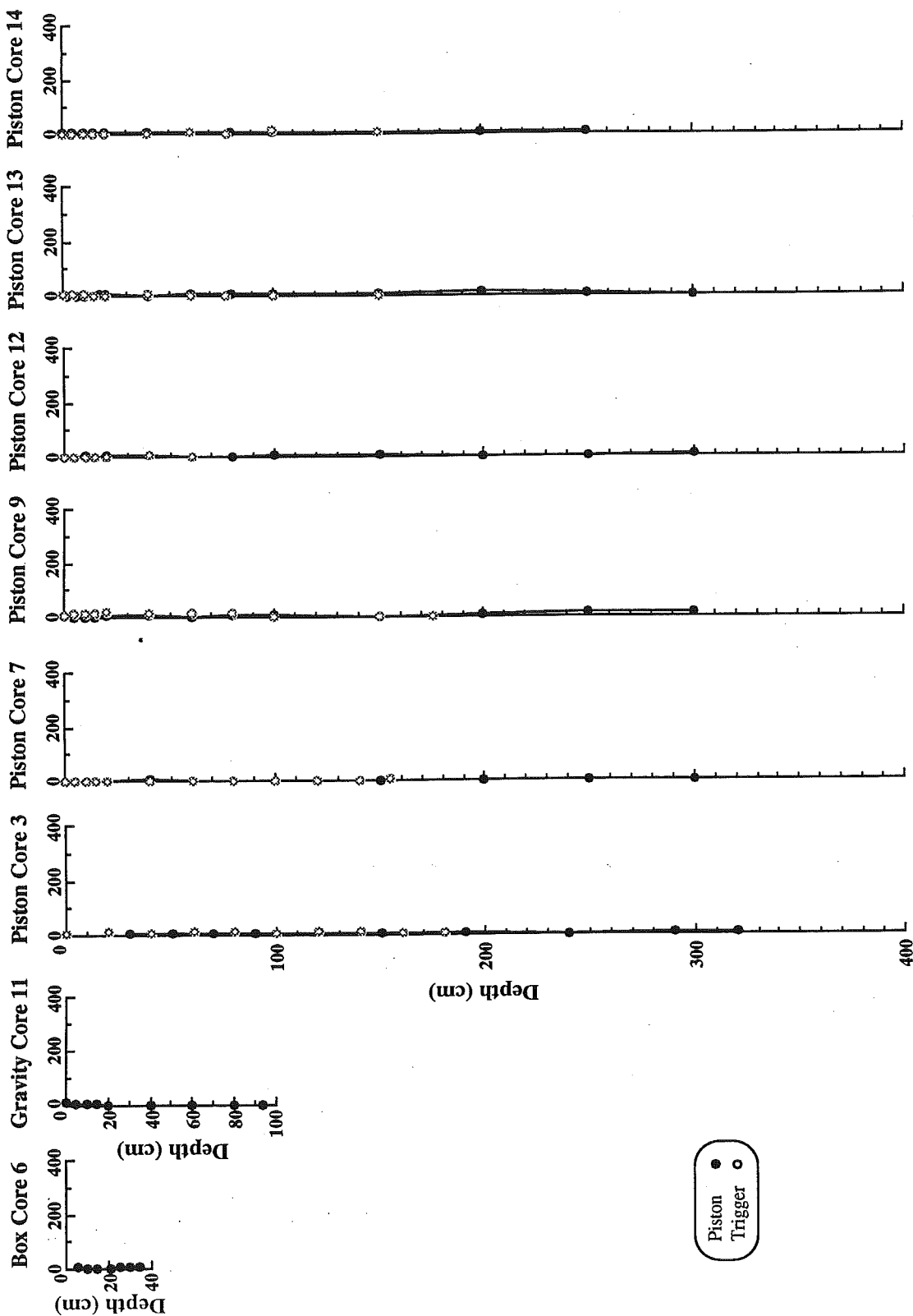


● Piston
○ Trigger



Hudson 91-020
Albatross Slope

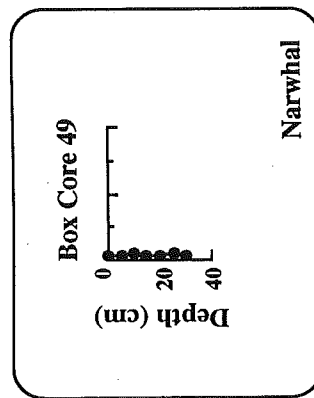
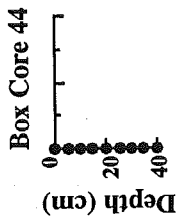
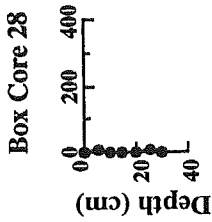
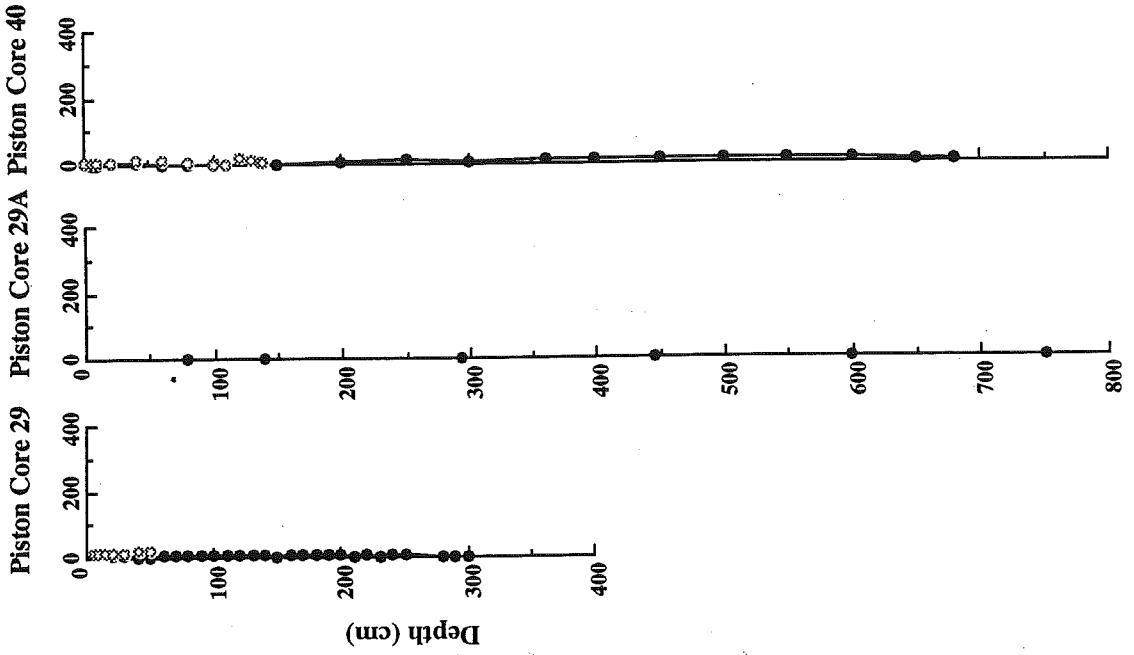
CHROMIUM
(organically bound)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston ●
Trigger ○

Hudson 91-020
St. Pierre Slope

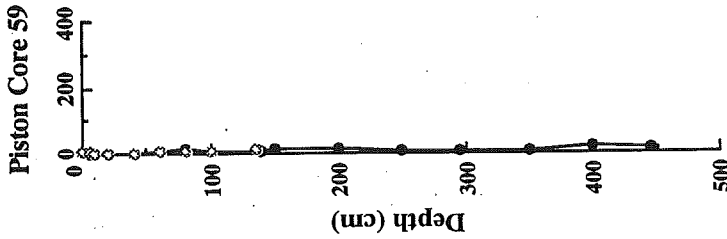
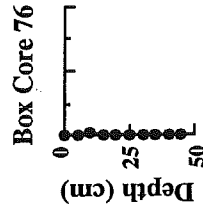
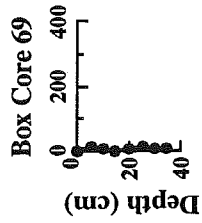
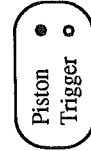
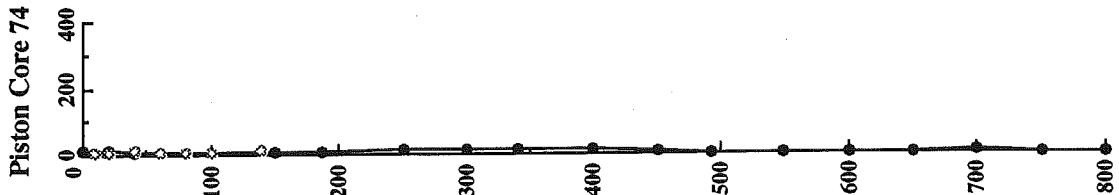
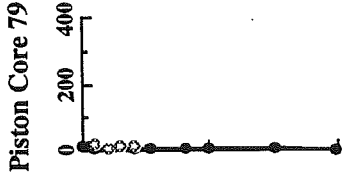
CHROMIUM
(organically bound)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston
Trigger

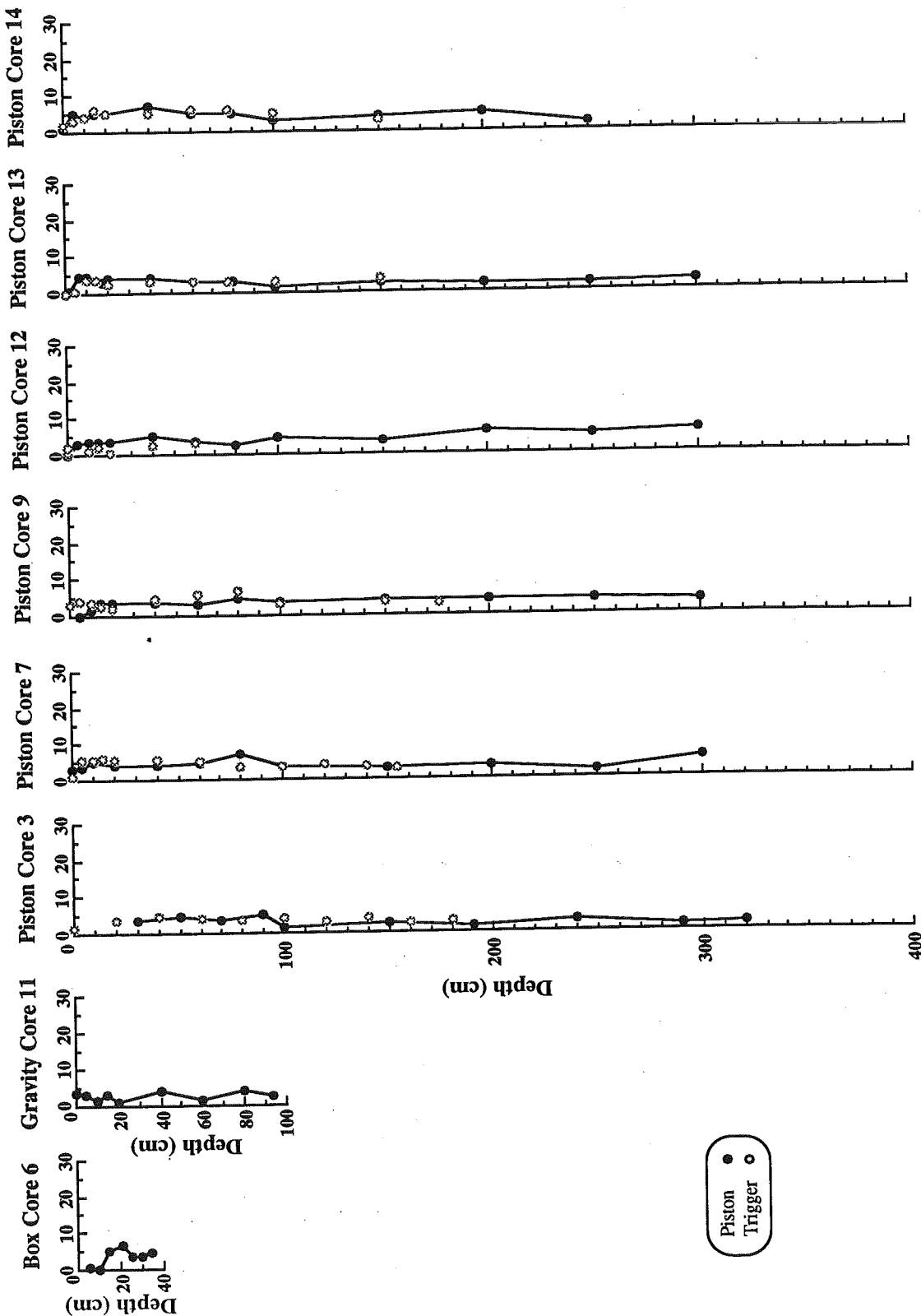
Hudson 91-020
Titanic Wreck Site & Flemish Cap

CHROMIUM
(organically bound)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
Albatross Slope

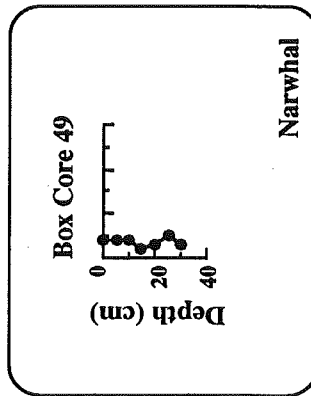
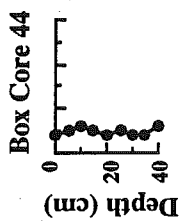
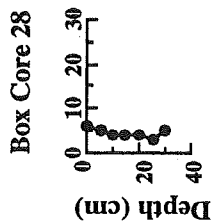
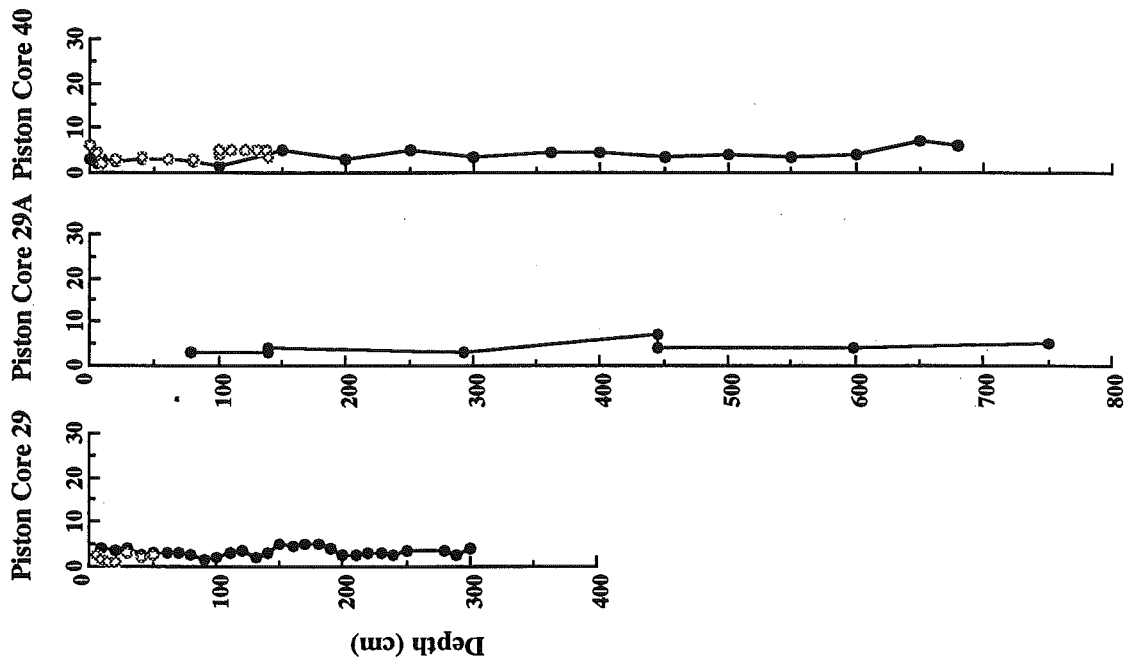
LEAD
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston ●
Trigger ○

Hudson 91-020
St. Pierre Slope

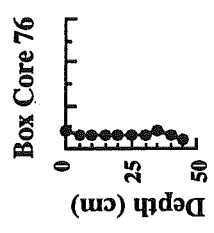
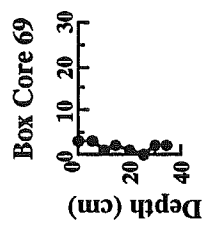
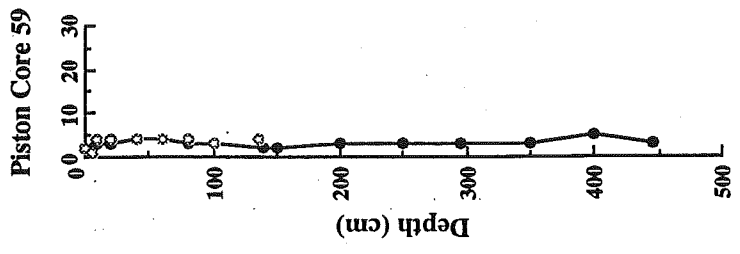
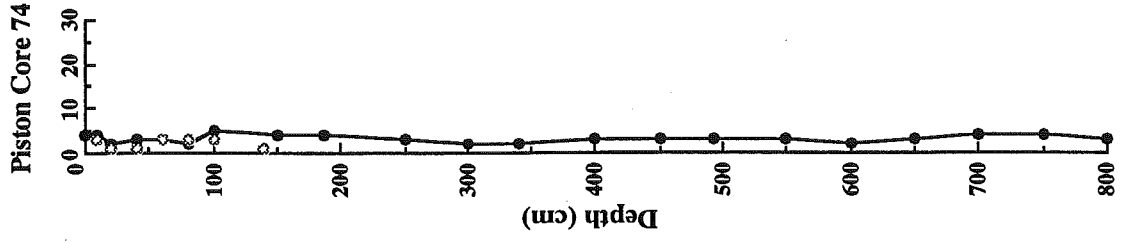
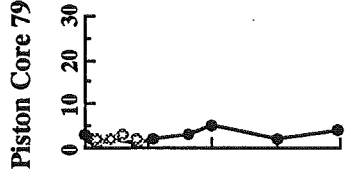
LEAD
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston ●
Trigger ○

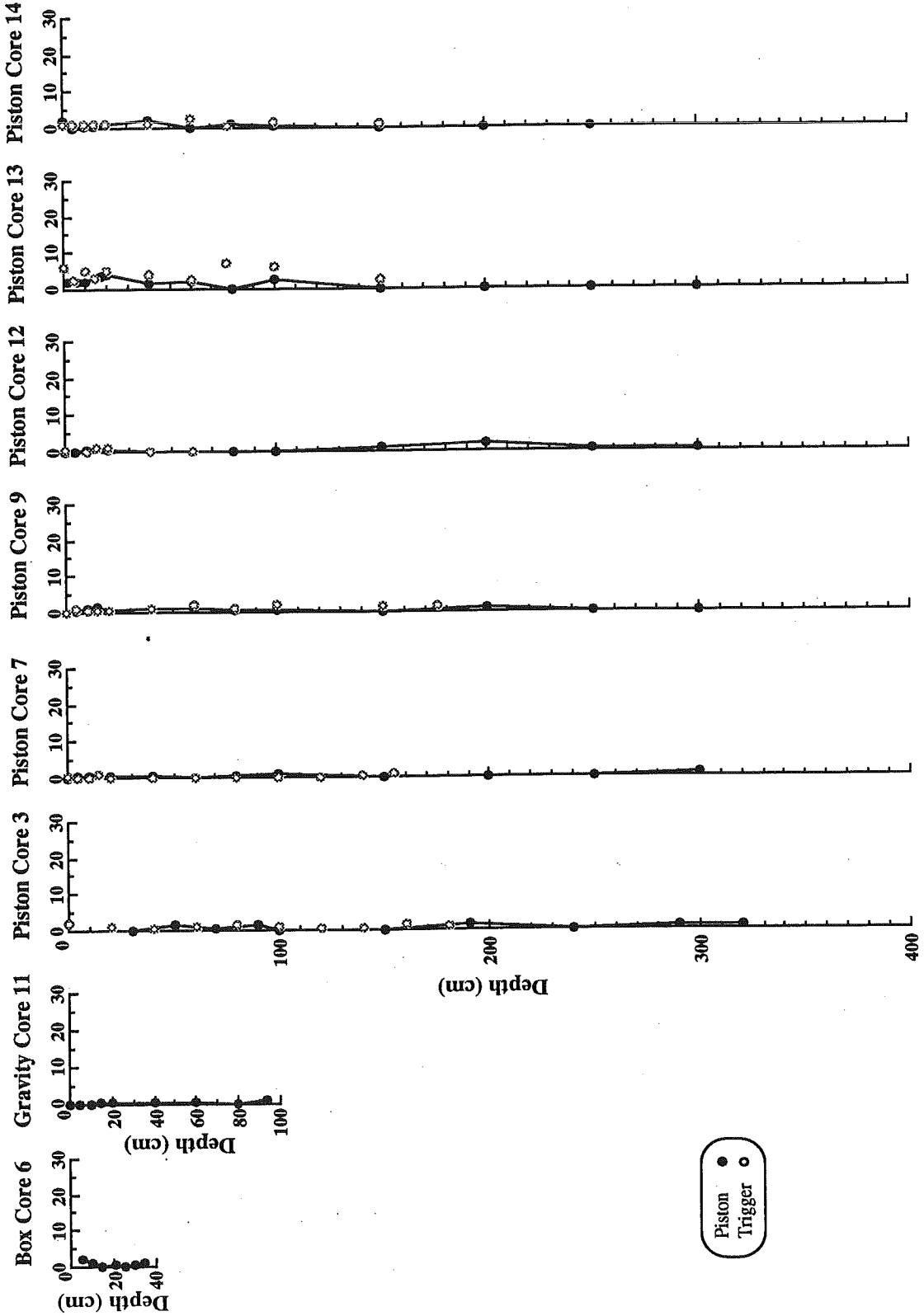
Hudson 91-020
Titanic Wreck Site & Flemish Cap

LEAD
(weak acid leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



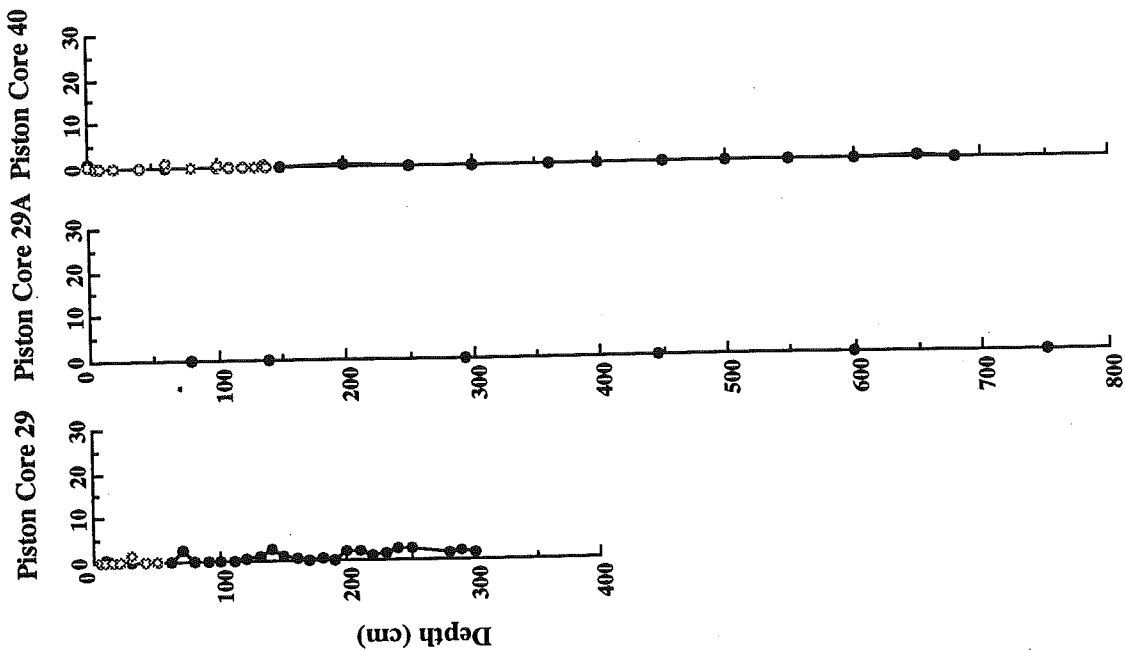
Hudson 91-020
Albatross Slope

LEAD
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

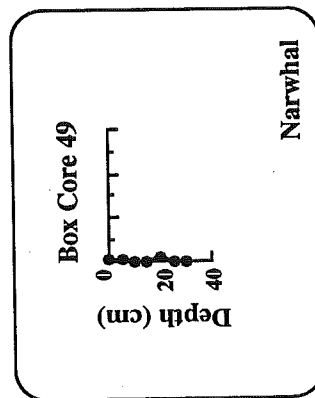
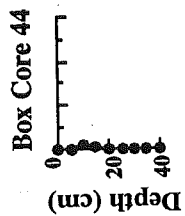
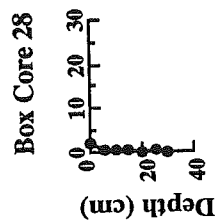


Hudson 91-020
St. Pierre Slope

LEAD
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)

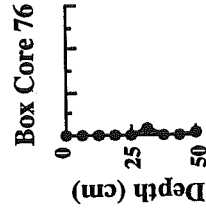
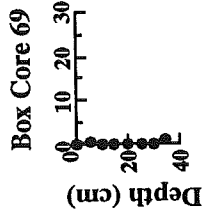
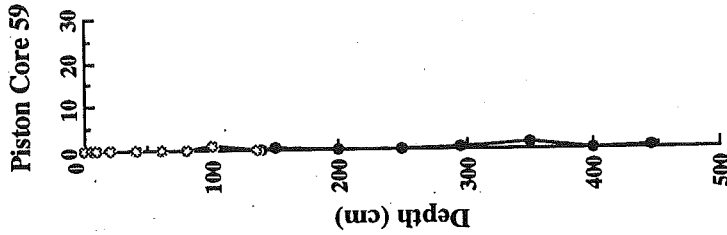
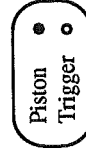
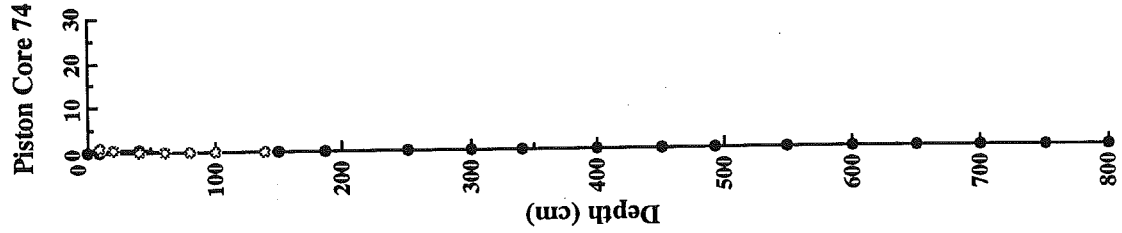
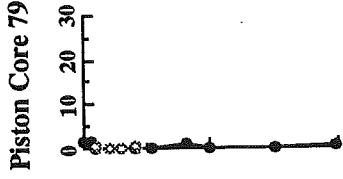


Piston
Trigger



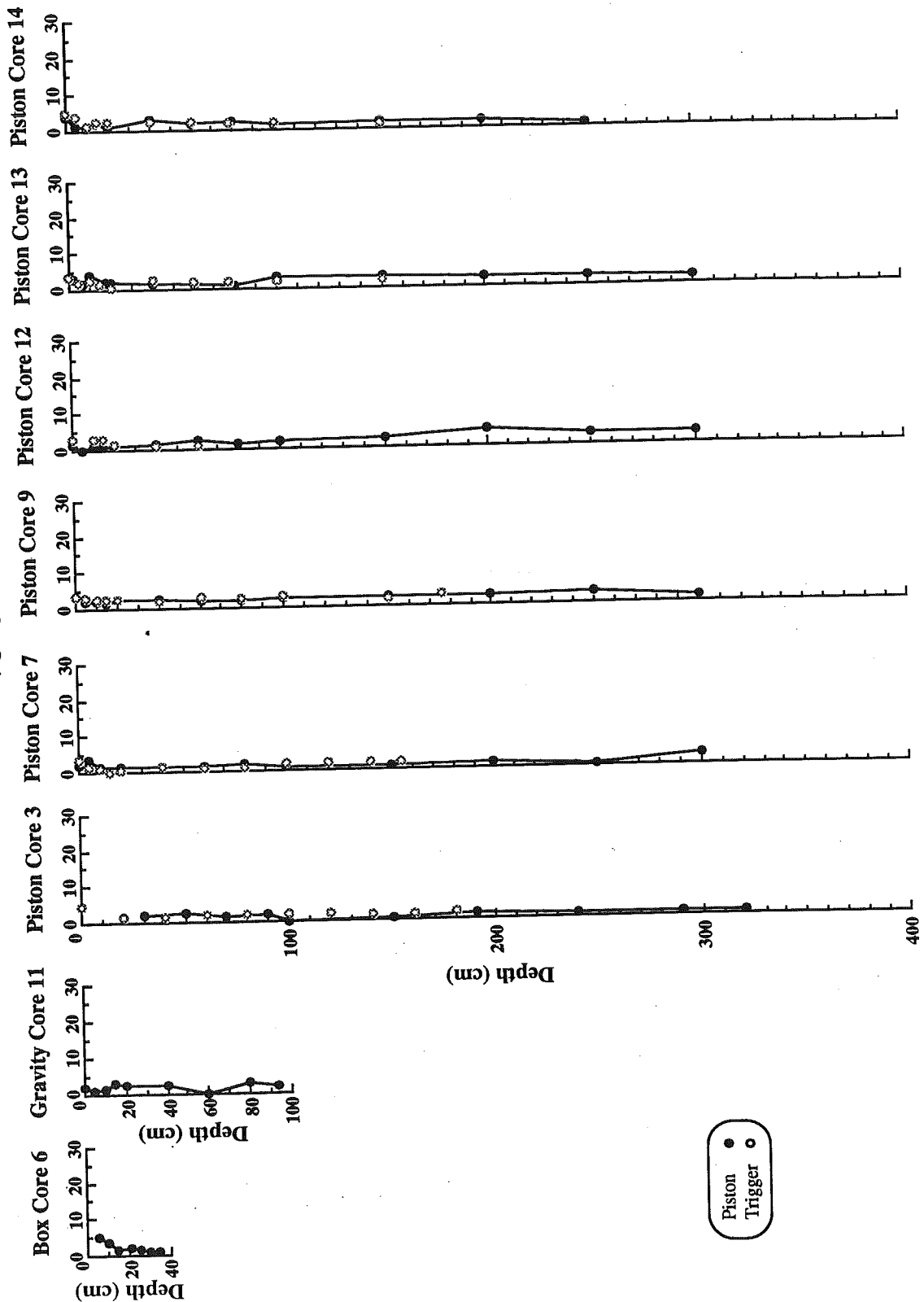
Hudson 91-020
Titanic Wreck Site & Flemish Cap

LEAD
(hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



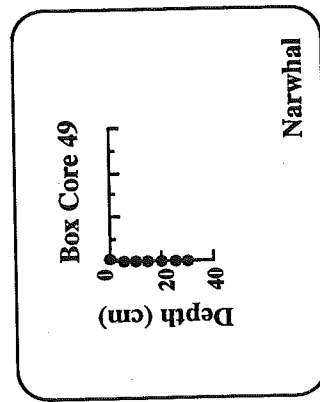
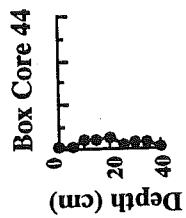
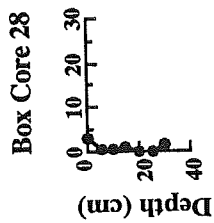
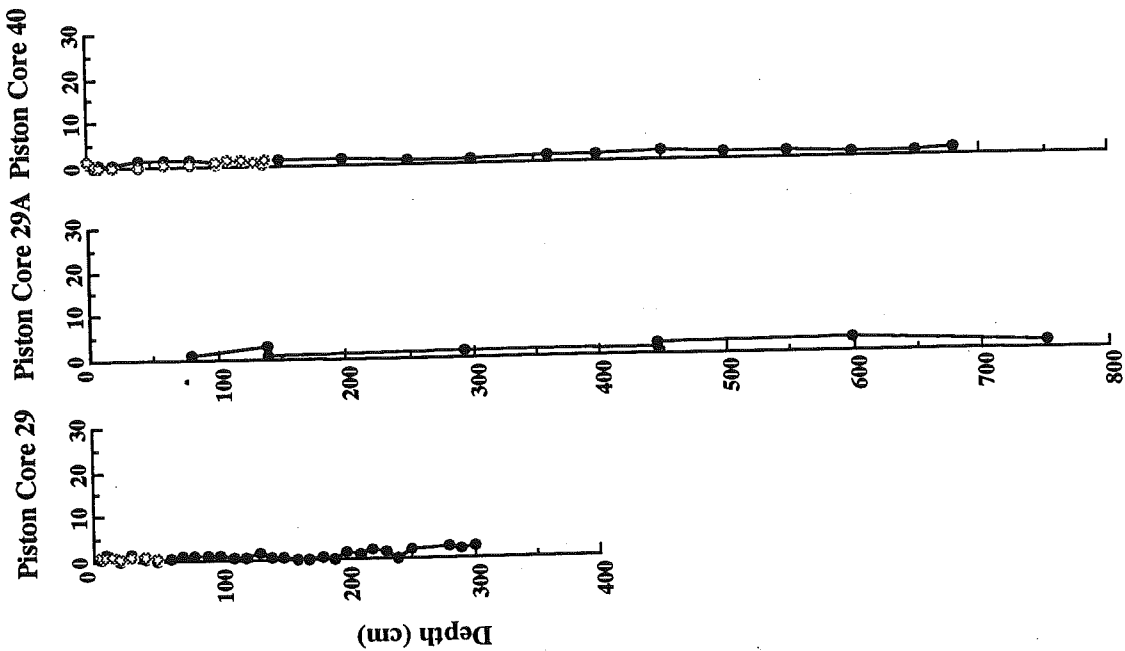
Hudson 91-020
Albatross Slope

LEAD
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Hudson 91-020
St. Pierre Slope

LEAD
(heated hydroxylamine leach)
($\mu\text{g} \cdot \text{g}^{-1}$)



Narwhal

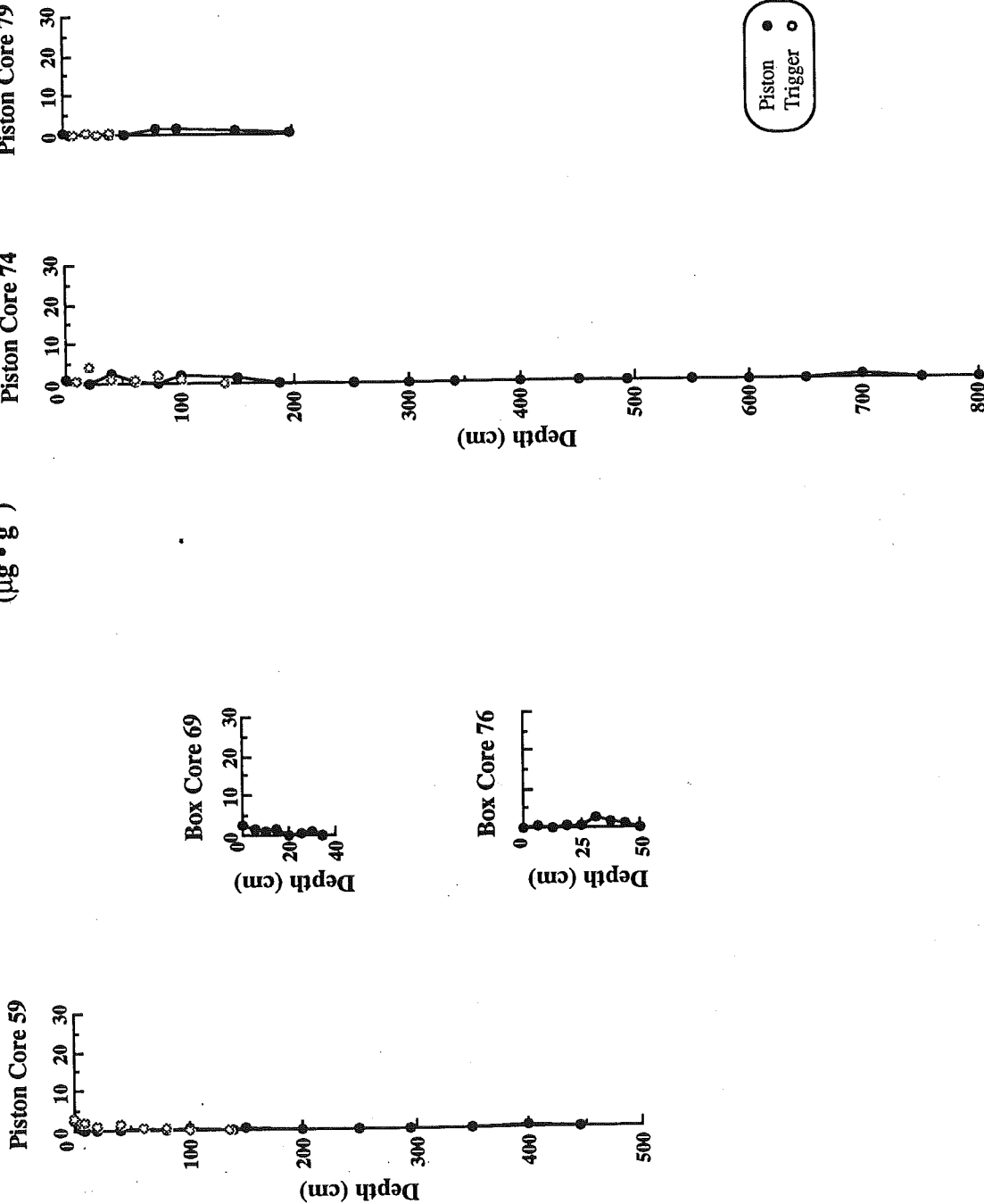
Piston
Trigger

Hudson 91-020
Titanic Wreck Site & Flemish Cap

LEAD

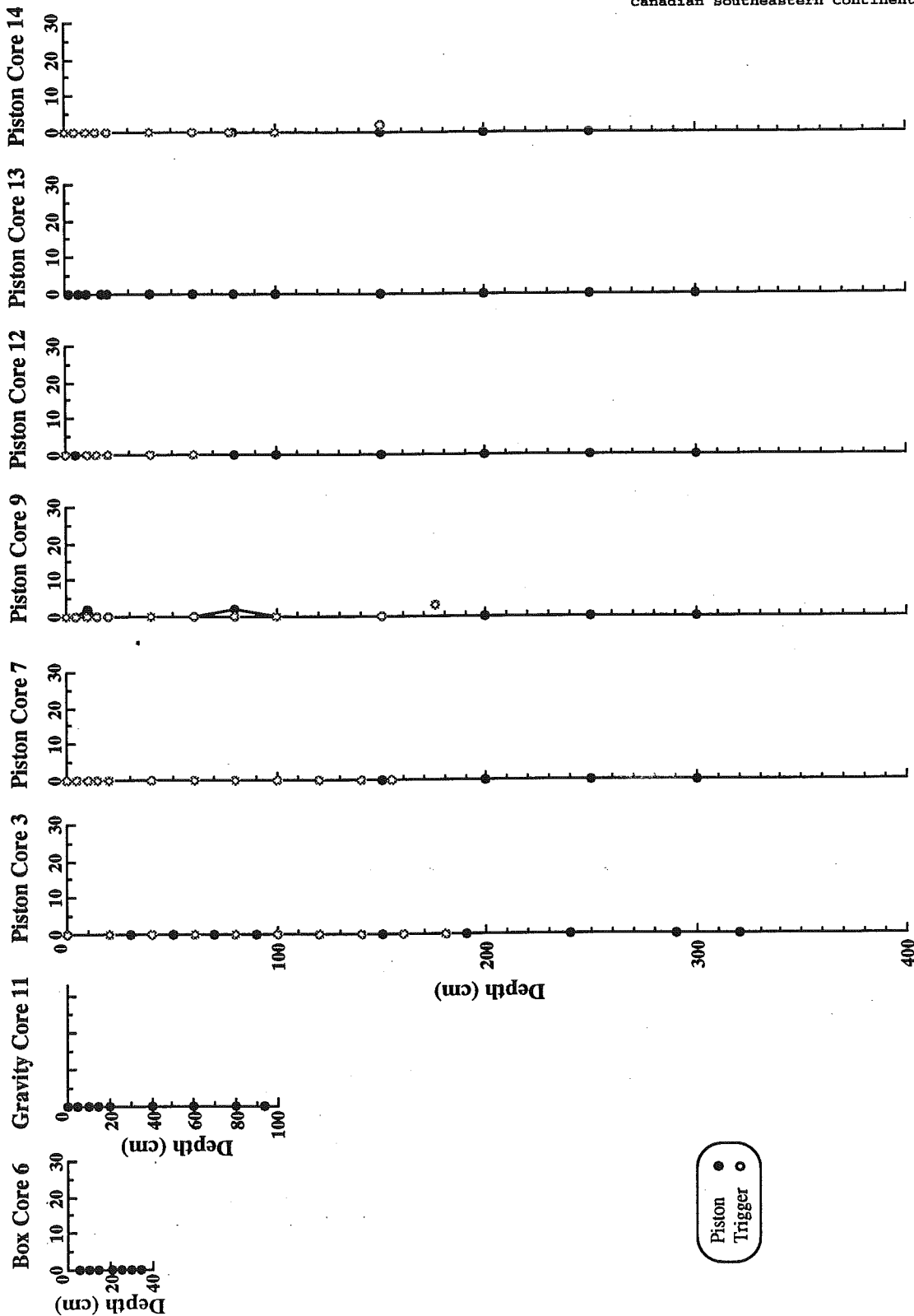
(heated hydroxylamine leach)

($\mu\text{g} \cdot \text{g}^{-1}$)



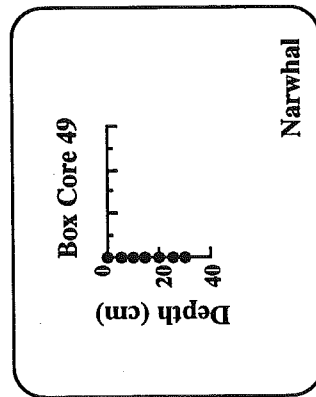
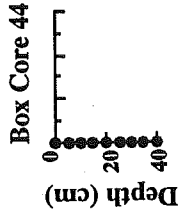
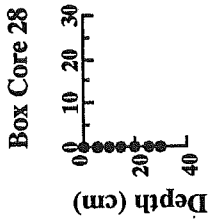
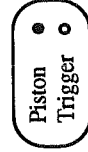
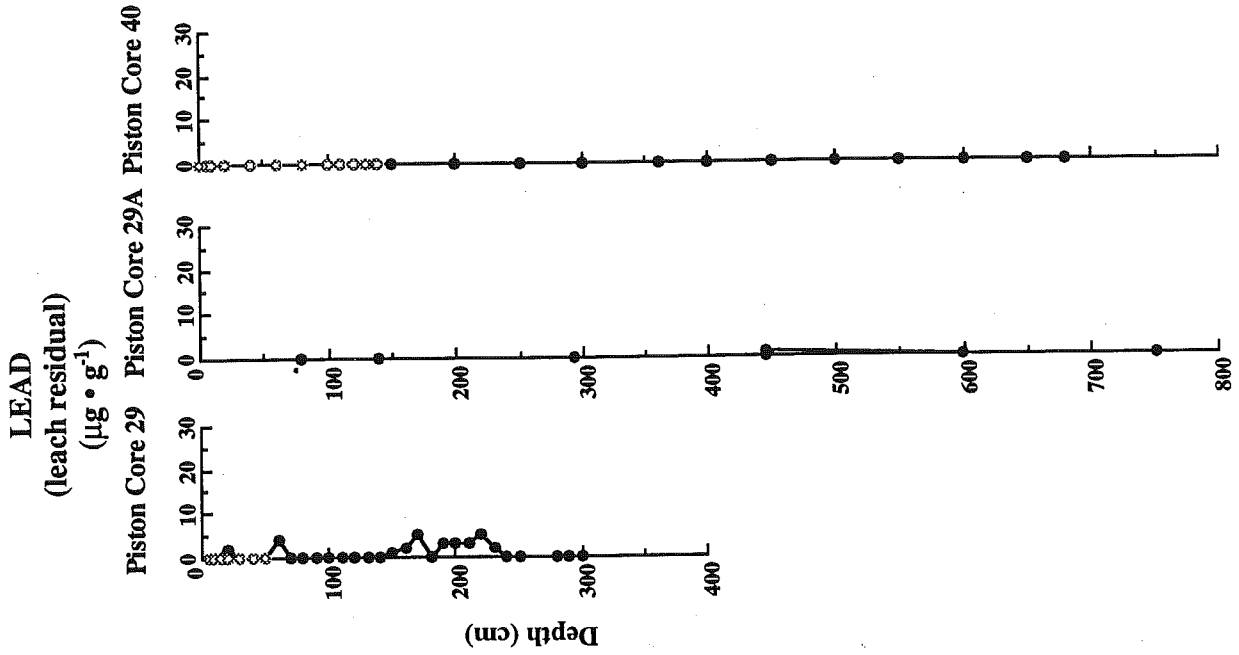
Hudson 91-020
Albatross Slope

LEAD
(leach residual)
($\mu\text{g} \cdot \text{g}^{-1}$)



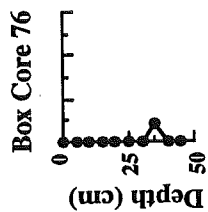
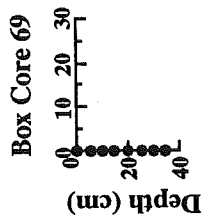
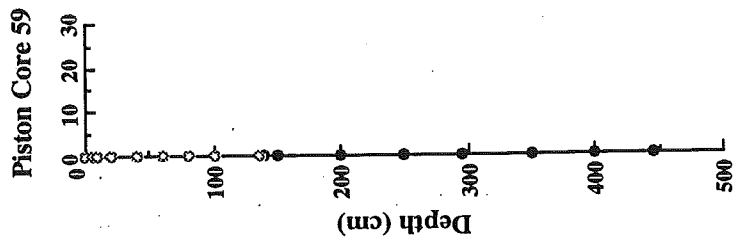
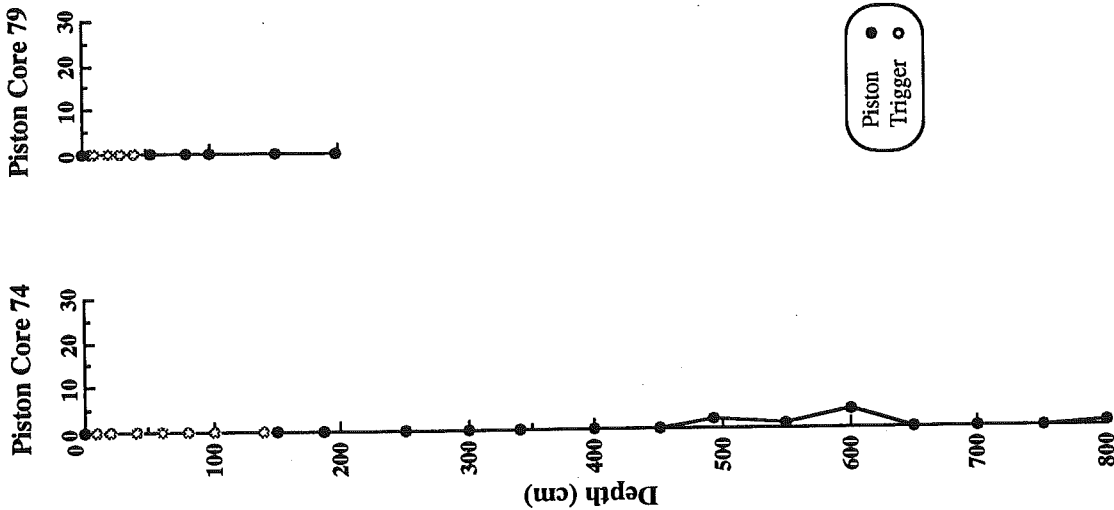
Piston ●
Trigger ○

Hudson 91-020
St. Pierre Slope



Hudson 91-020
Titanic Wreck Site & Flemish Cap

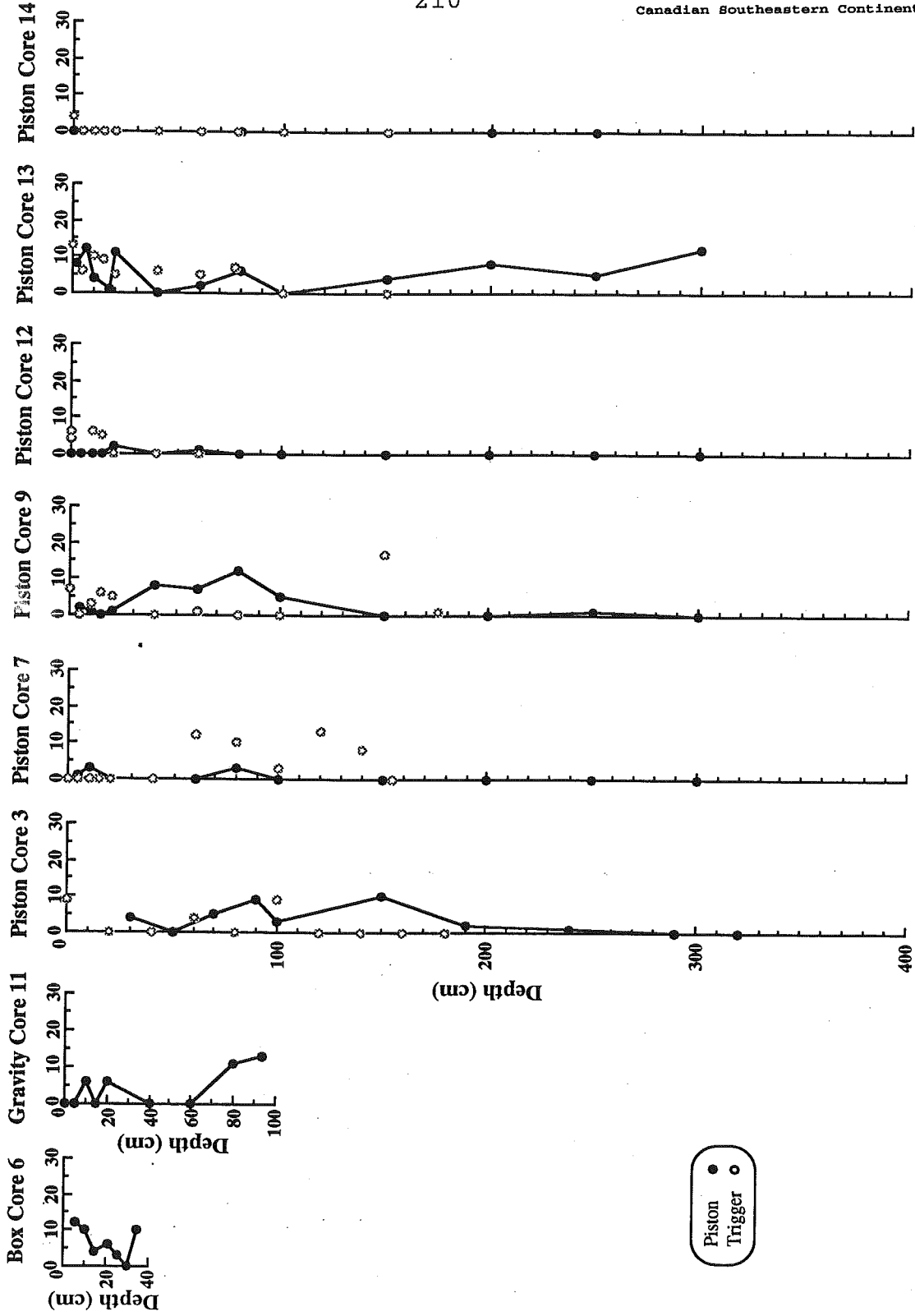
LEAD
($\mu\text{B} \cdot \text{g}^{-1}$)



Piston ●
Trigger ○

Hudson 91-020
Albatross Slope

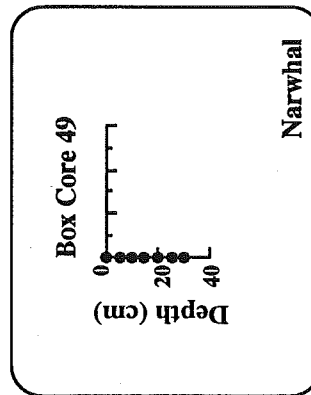
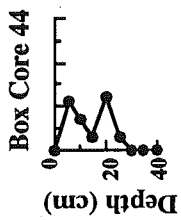
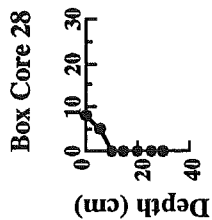
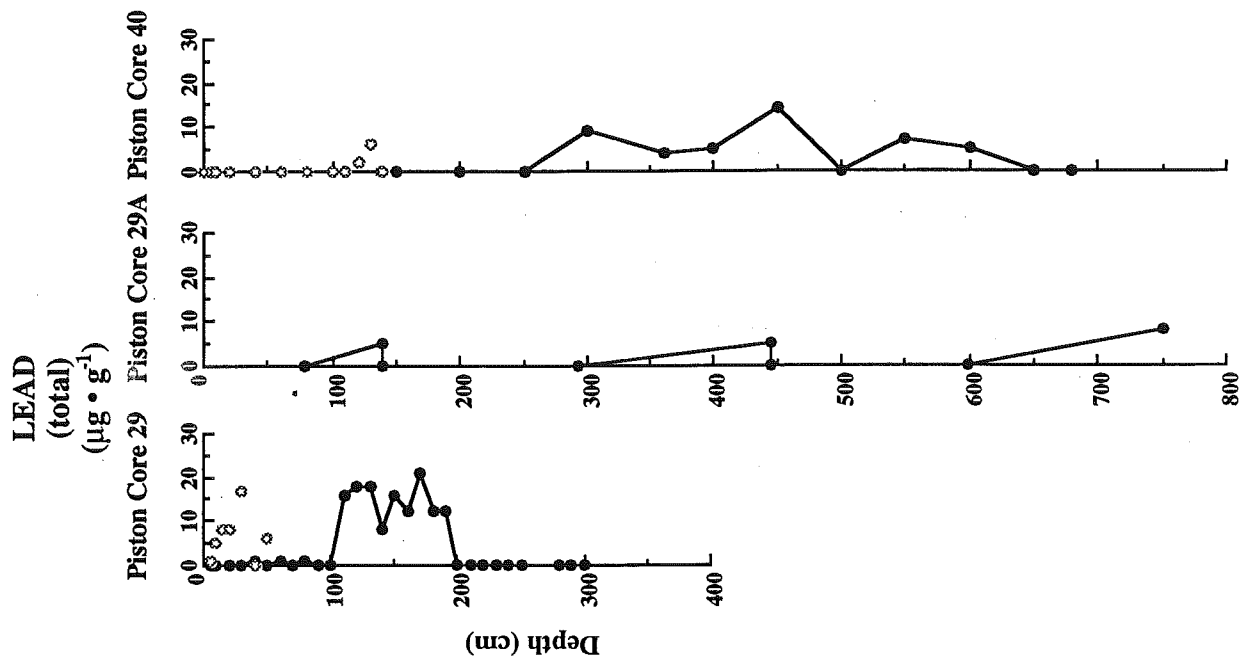
LEAD
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)



Piston ●
Trigger ○

Hudson 91-020
St. Pierre Slope

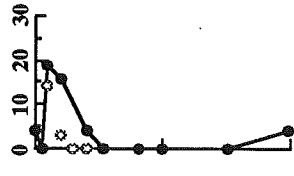
Piston ●
Trigger ○



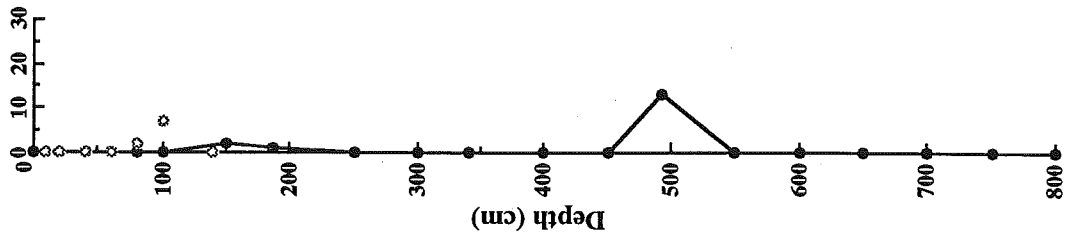
Hudson 91-020
Titanic Wreck Site & Flemish Cap

LEAD
(total)
($\mu\text{g} \cdot \text{g}^{-1}$)

Piston Core 79

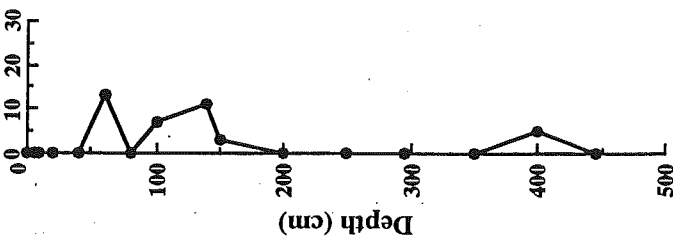


Piston Core 74

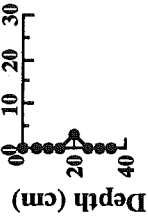


Piston ●
Trigger ○

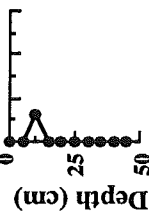
Piston Core 59



Box Core 69

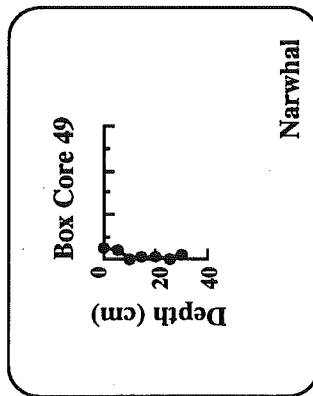
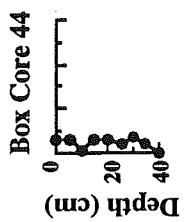
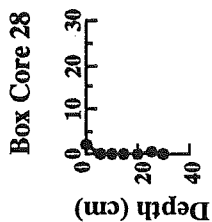
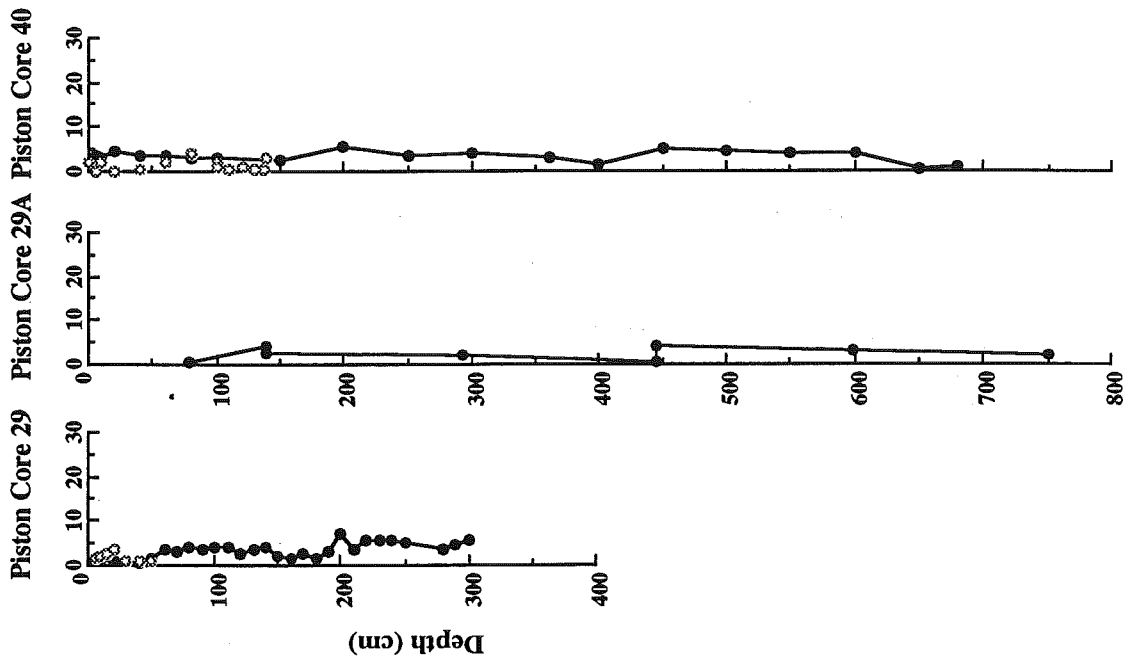


Box Core 76



Hudson 91-020
St. Pierre Slope

LEAD
(organically bound)
($\mu\text{g} \cdot \text{g}^{-1}$)



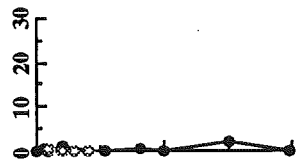
Piston ●
Trigger ○

LEAD
(organically bound)
($\mu\text{g} \cdot \text{g}^{-1}$)

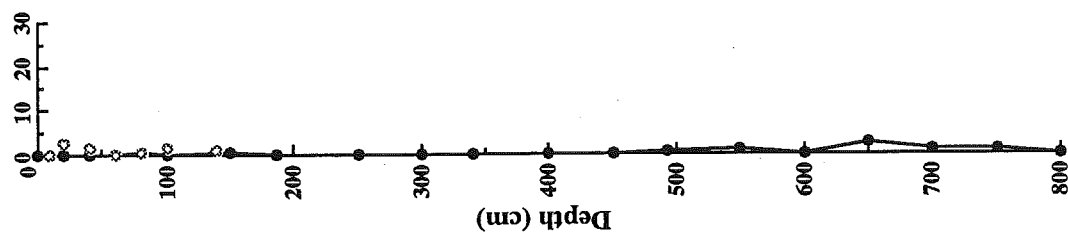
Hudson 91-020

Titanic Wreck Site & Flemish Cap

Piston Core 79

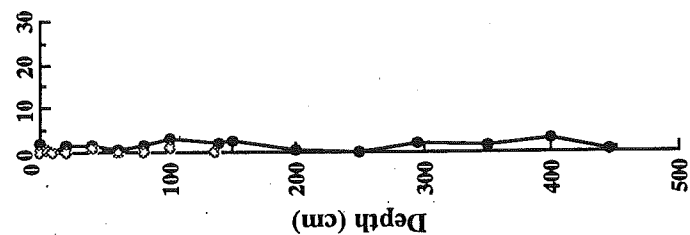


Piston Core 74

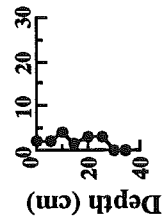


Piston ●
Trigger ○

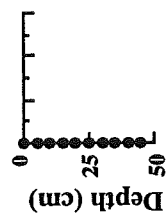
Piston Core 59



Box Core 69



Box Core 76

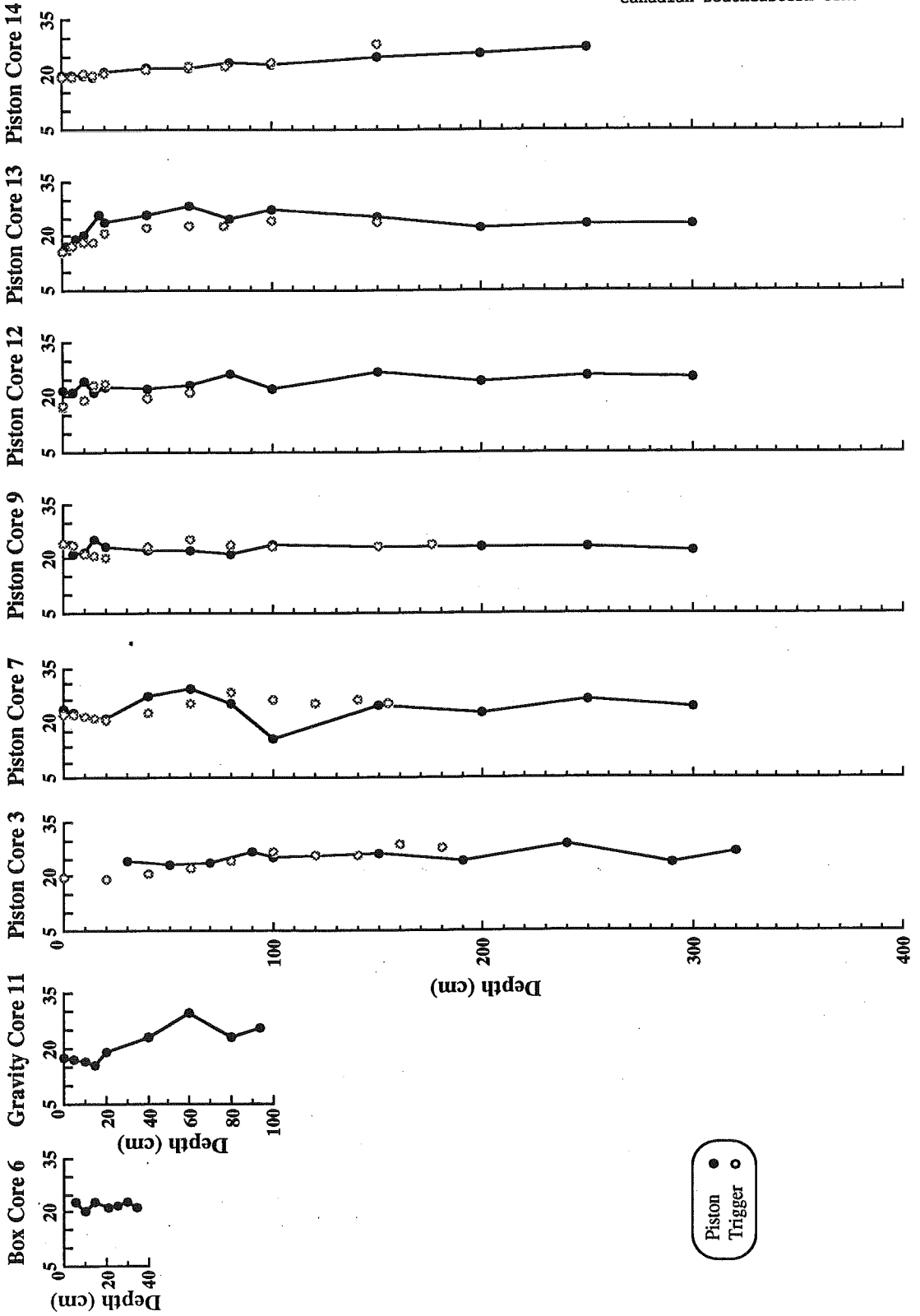


Hudson 91-020
Albatross Slope

SILICON
(total - %)

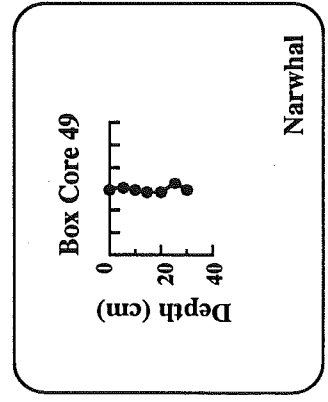
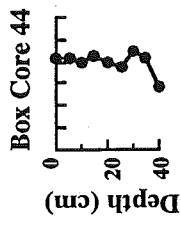
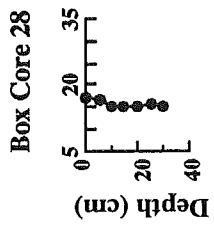
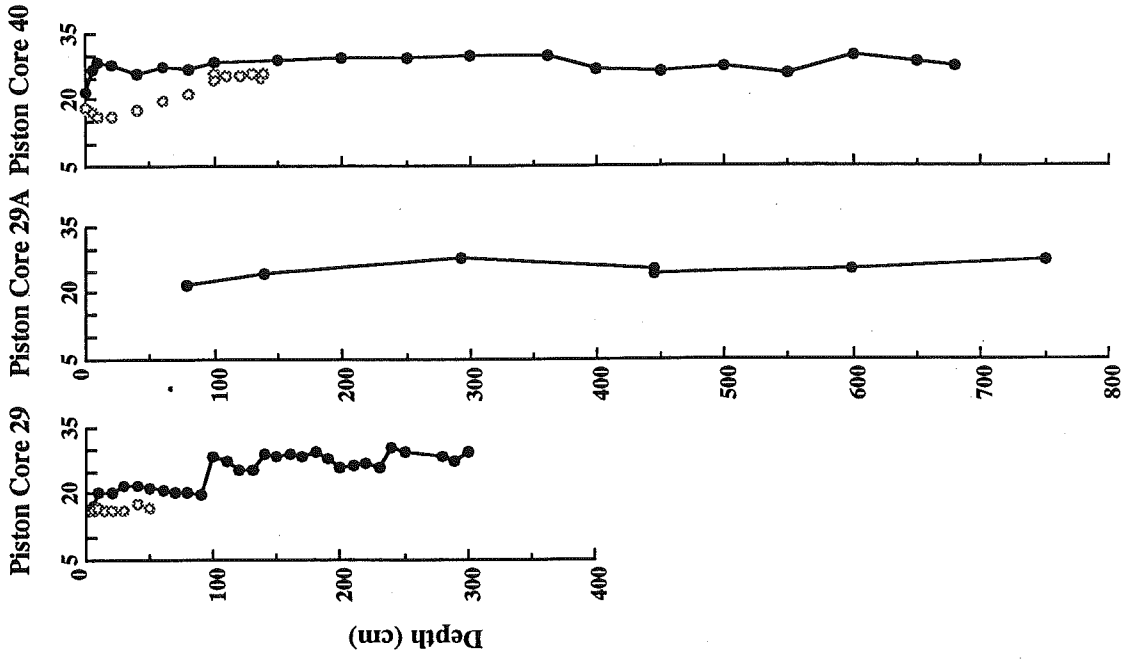
216

Cruise: Hudson 91020
Canadian Southeastern Continental Margin



Hudson 91-020
St. Pierre Slope

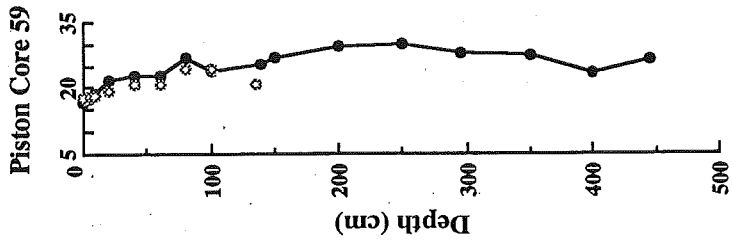
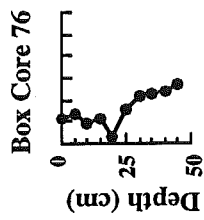
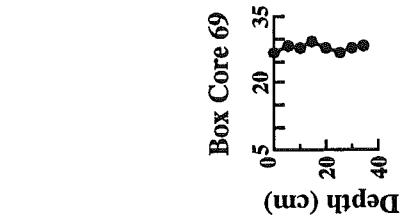
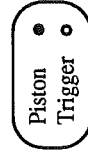
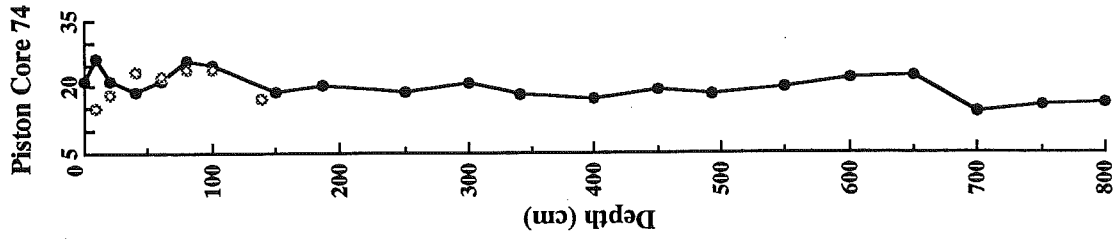
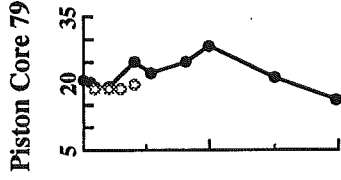
SILICON
(total - %)



Piston ●
Trigger ○

Hudson 91-020
Titanic Wreck Site & Flemish Cap

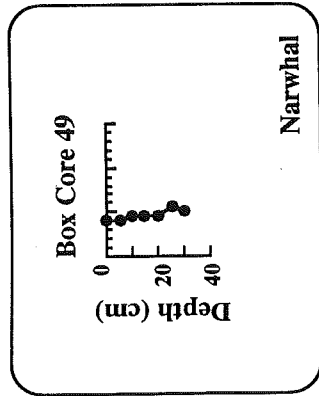
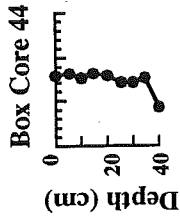
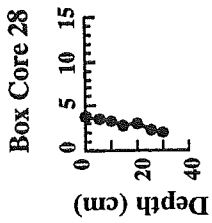
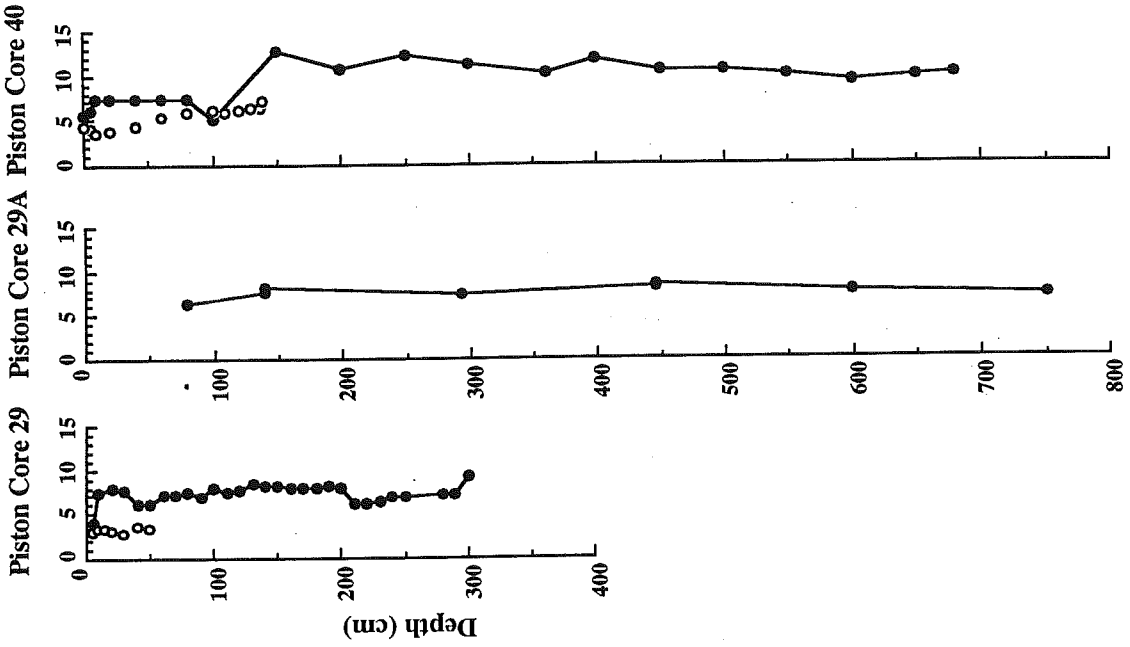
SILICON
(total - %)



Hudson 91-020
St. Pierre Slope

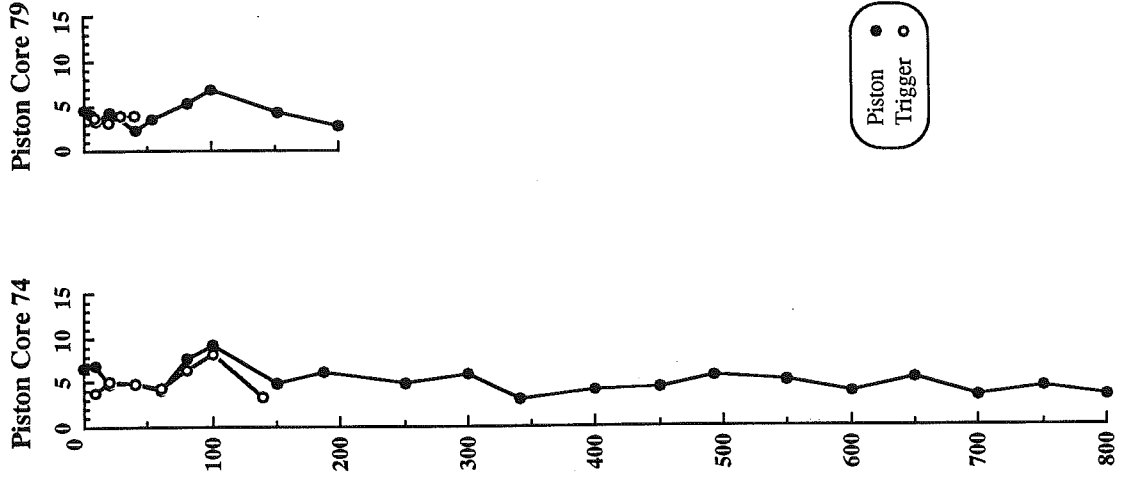
ALUMINUM
(total - %)

Piston ●
Trigger ○

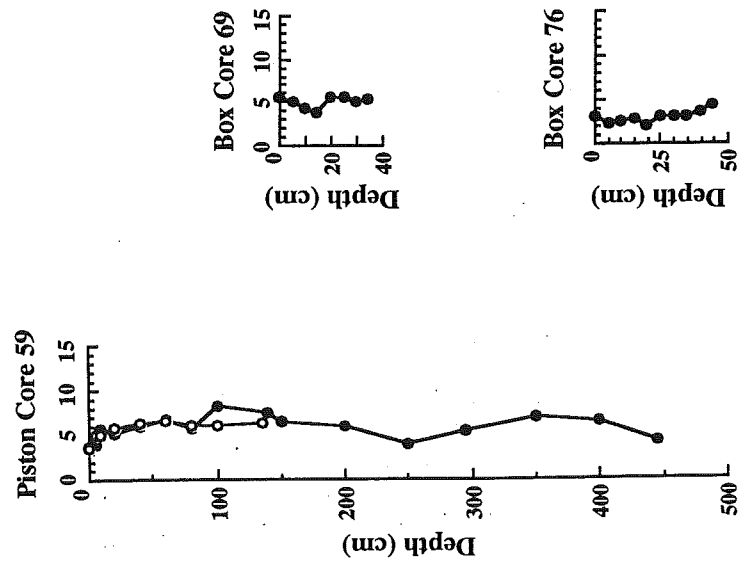


Hudson 91-020
Titanic Wreck Site & Flemish Cap

ALUMINUM
(total - %)

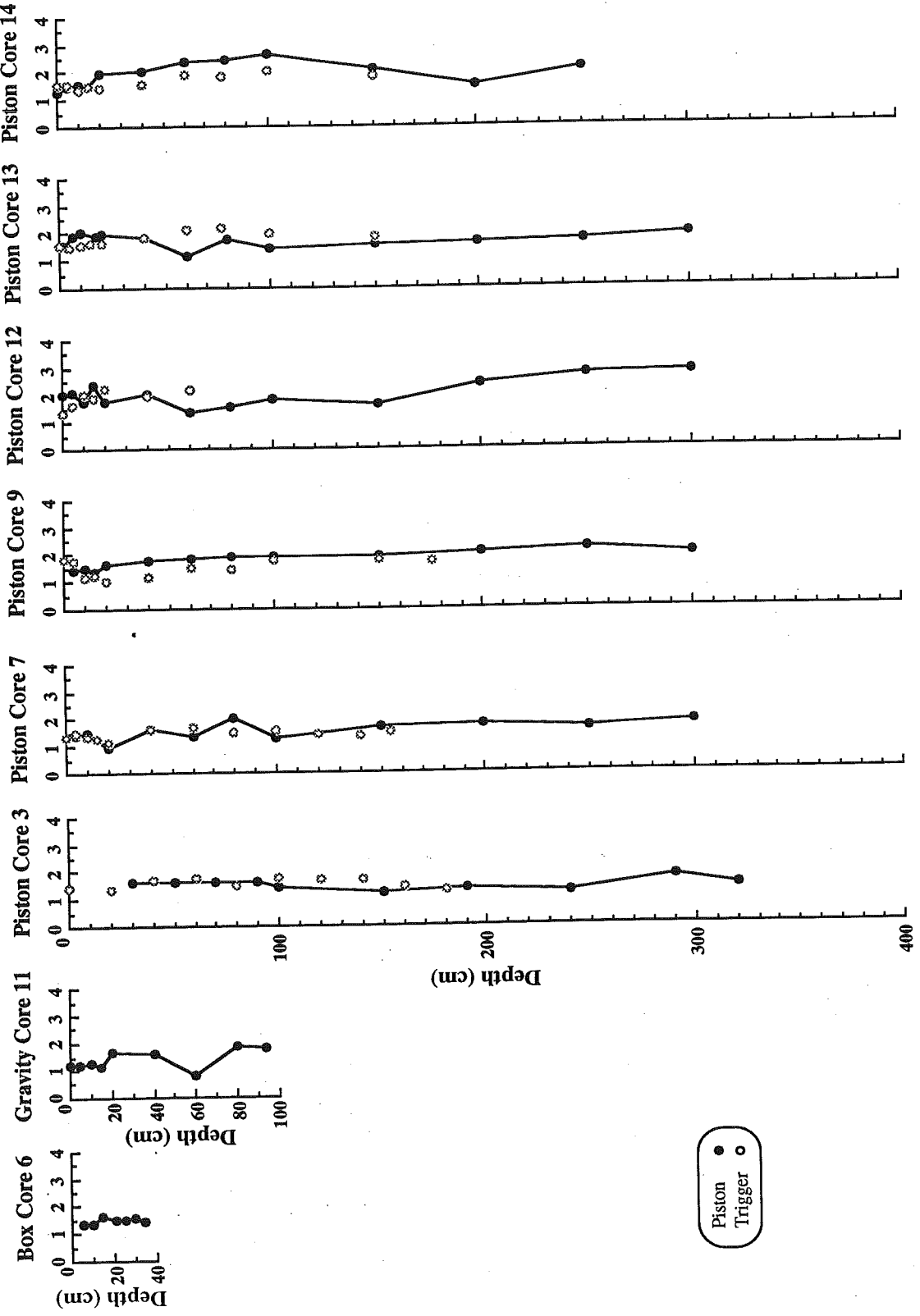


Piston ●
Trigger ○



Hudson 91-020
Albatross Slope

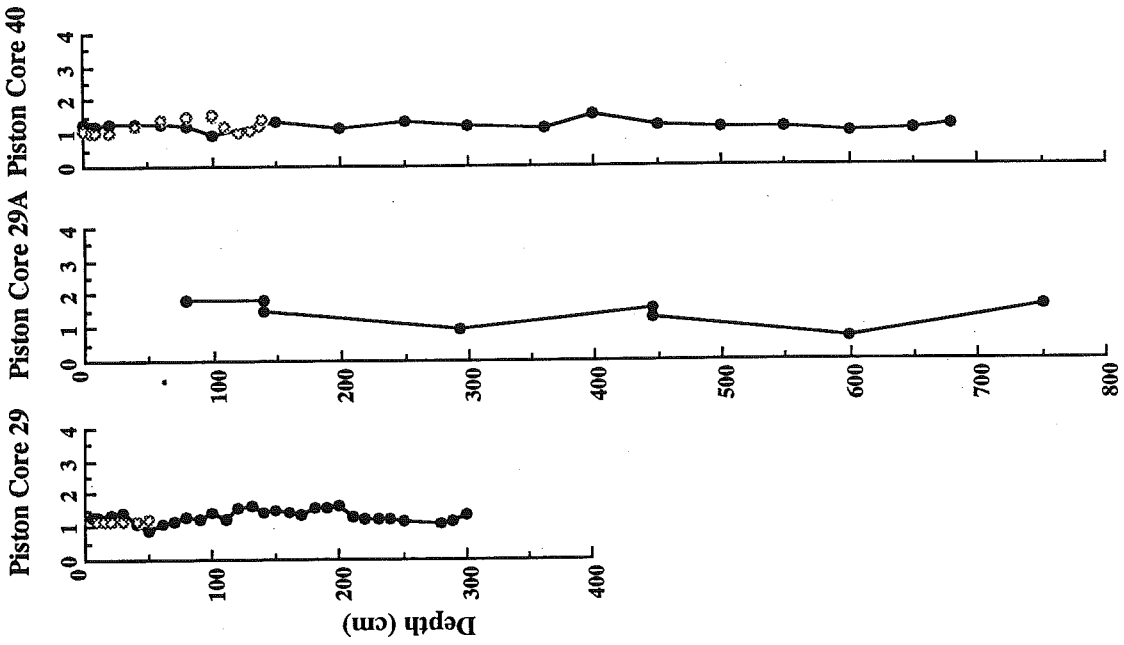
MAGNESIUM
(total)
(%)



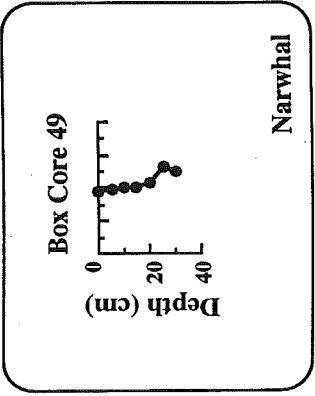
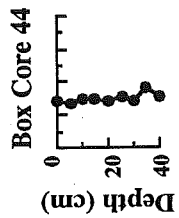
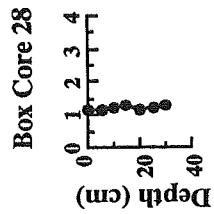
Piston ●
Trigger ○

Hudson 91-020
St. Pierre Slope

MAGNESIUM
(total)
(%)



Piston ●
Trigger ○

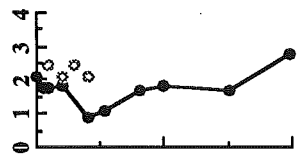


Narwhal

Hudson 91-020
Titanic Wreck Site & Flemish Cap

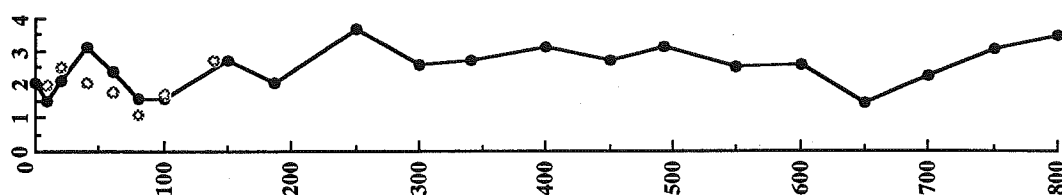
MAGNESIUM
(total)
(%)

Piston Core 79

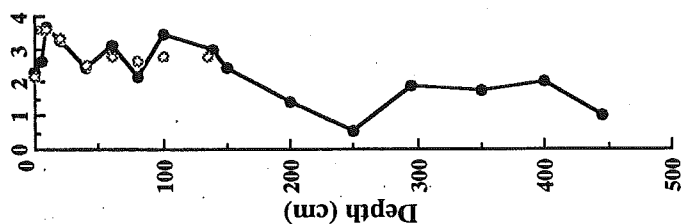


Piston ●
Trigger ○

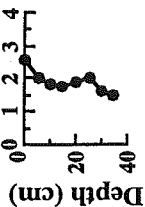
Piston Core 74



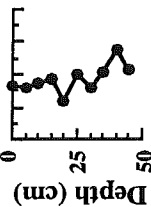
Piston Core 59



Box Core 69



Box Core 76

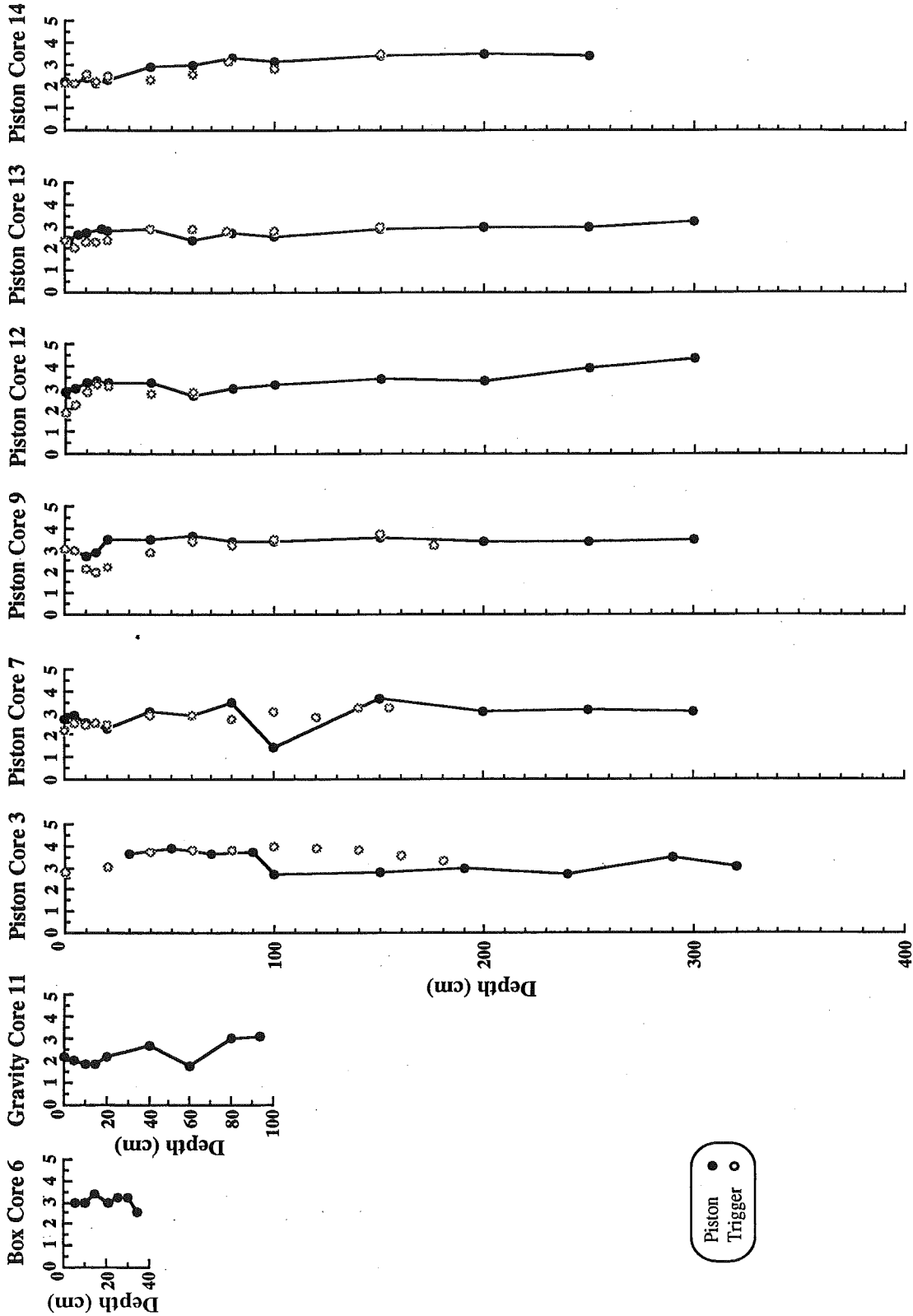


Hudson 91-020
Albatross Slope

225

Cruise: Hudson 91020
Canadian Southeastern Continental Margin

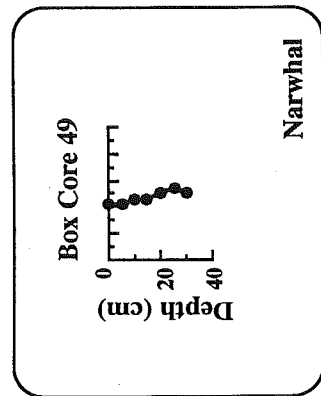
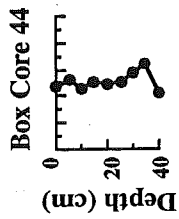
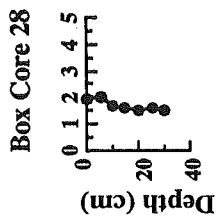
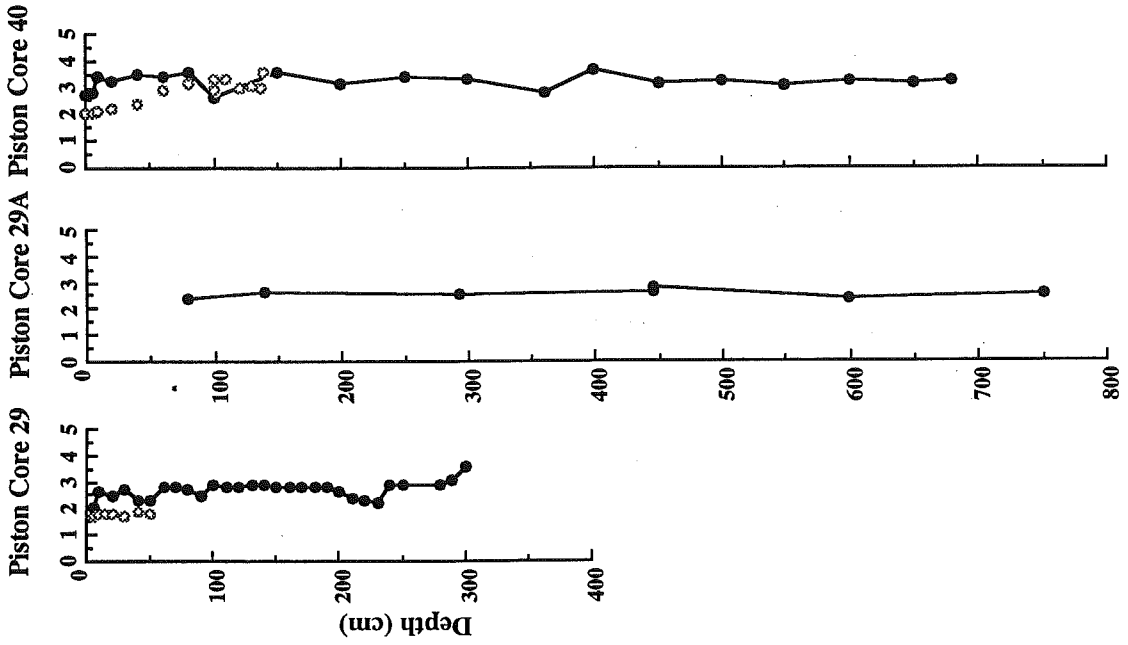
POTASSIUM
(total)
(%)



Piston ●
Trigger ○

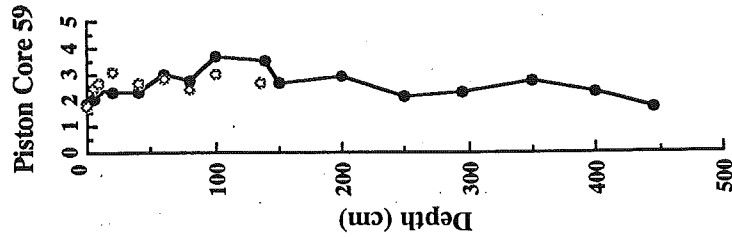
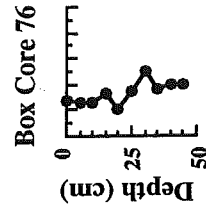
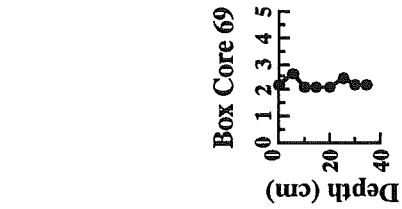
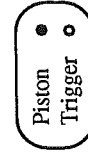
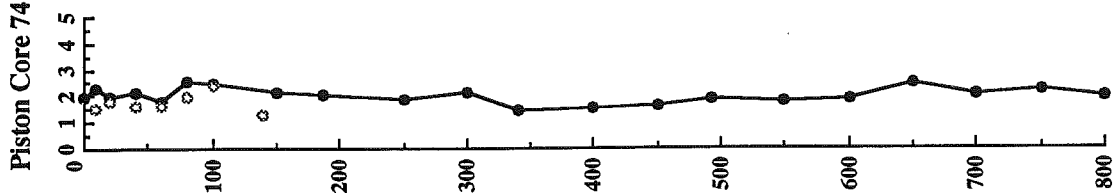
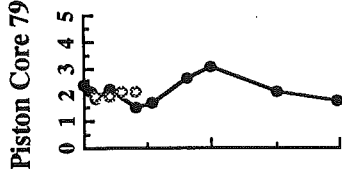
Hudson 91-020
St. Pierre Slope

POTASSIUM
(total)
(%)



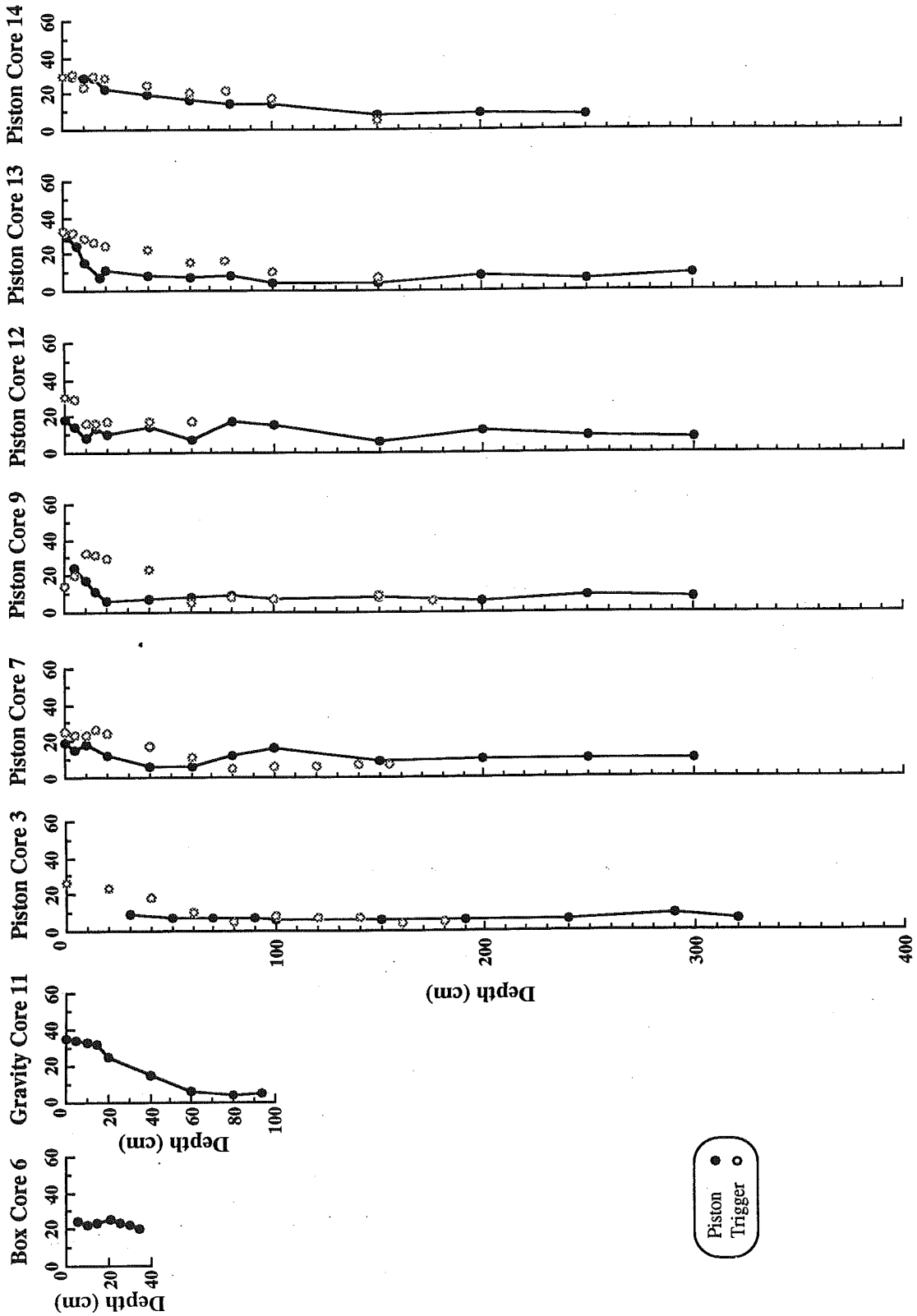
Hudson 91-020
Titanic Wreck Site & Flemish Cap

POTASSIUM
(total)
(%)



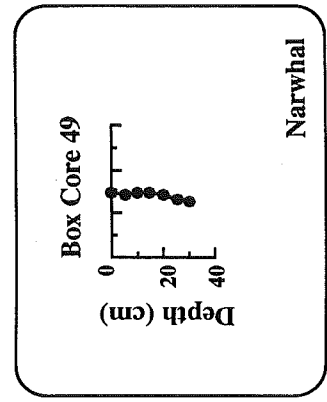
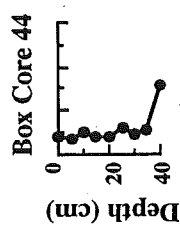
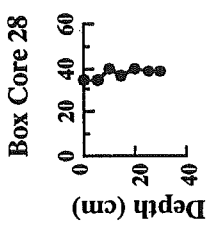
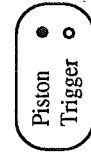
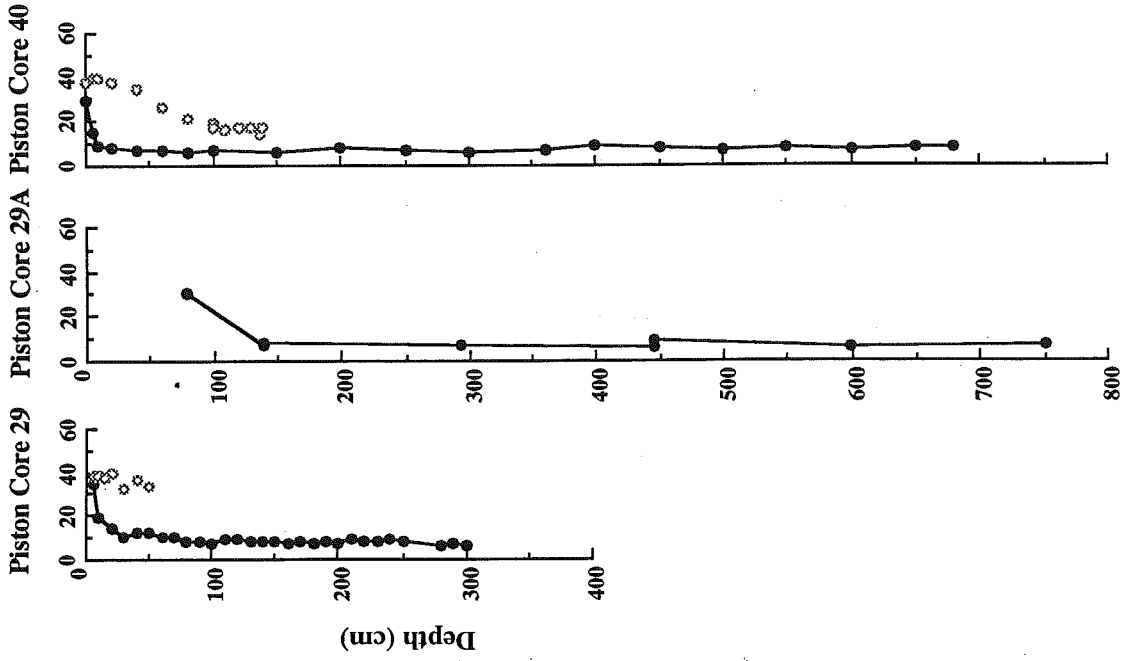
Hudson 91-020
Albatross Slope

CALCIUM CARBONATE (%)

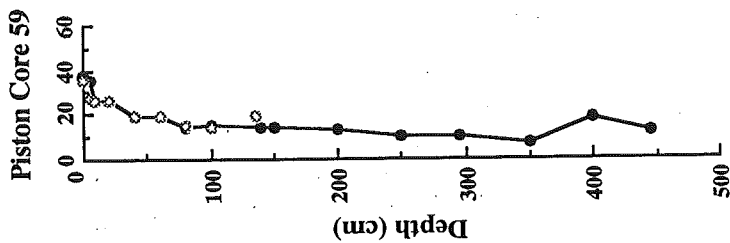
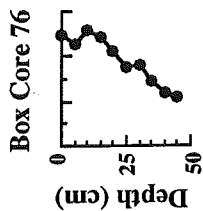
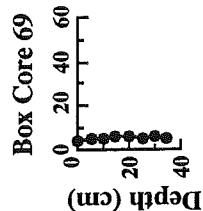
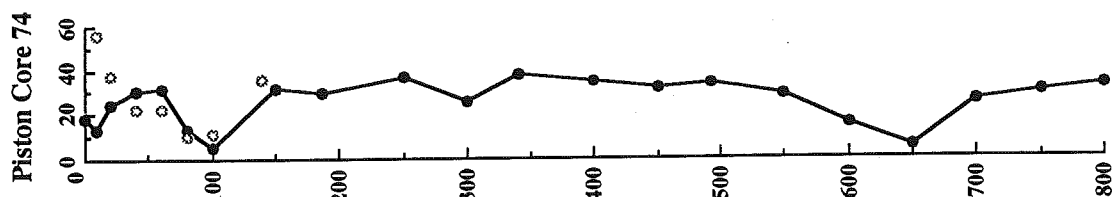
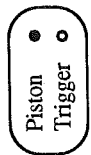
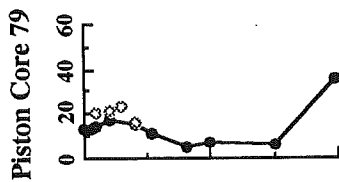


Hudson 91-020
St. Pierre Slope

CALCIUM CARBONATE (%)



CALCIUM CARBONATE (%)
Hudson 91-020
Titanic Wreck Site & Flemish Cap



ACKNOWLEDGEMENTS

The collection of the samples and analytical results published here required the cooperation and dedication of many of our colleagues at the Bedford Institute of Oceanography and other participants of the CSS Hudson cruise. We are very grateful for the efforts of D. Piper, P. Mudie, H. Christian, L. Jansa, M. Morrison, J. Berry, D. Heffler, W. MacKinnon, I. Hardy, R. Murphy, R. Sparkes, J. Nielsen, D. Locke, R. Morykot, H. Salem and D. Pass. We also wish to thank the captain and the crew of the CSS HUDSON. We thank J. Arenovich for plotting the core data and I. Hardy for the critical review of this manuscript.

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